MIST and DRUGGIST APRIL 1, 1944

The CHEMIST AND DRUGGIST

for RETAILER - WHOLESALER - MANUFACTURER

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847 XLI APRIL 1, 1944 Annual Subscription (with Diary) 25/-. Single Copies 9d.

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Index to Advertisers pp. 5 & 6

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180. —— R. P.

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AT 1108. —— F. T.

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INDEX TO ADVERTISERS

The fact that goods made of raw materials in short supply owing to war conditions are advertised in this paper should not be taken as an indication that they are necessarily available for export.

Aristol Ambresils, Ltd. ..... Col. Supp.
Aspro, Ltd. x
Ayrton Saunders & Co., Ltd. ii
Bear Honey Co., Ltd. 14
Beechams Pills, Ltd. 2
Bell, John, Hills & Lucas, Ltd. ..... Leader Page
Bio-Colloids, Ltd. xii
Briccas, Ltd. 11
British Dyewood Co., Ltd. viii
British & Overseas Minerals, Ltd. ..... Col. Supp.
British Schering, Ltd. 6
Brooks & Warburton, Ltd. xv
Burgoyne Burbidges & Co., Ltd. i
Burroughs, James, Ltd. ..... Leader Page
Burroughs Wellcome & Co. 25
Bush, W. J., & Co., Ltd. iii
Campbell, Rex, & Co., Ltd. 23
Carillon Press, Ltd. 24
Carus, A., & Sons, Ltd. 20
Ciba, Ltd. 26
Clements, M., (Chemists Sundries), Ltd. ..... Col. Supp.
Coty (England), Ltd. 9
Cox, Arthur H., & Co., Ltd. ..... Cover iv
Croda, Ltd. 23
Cussons, Sons & Co., Ltd. ..... Cover iii
Dae Health Laboratories, Ltd. xvi
Dangoor, N. S., Ltd. viii
Daniel, Richard, & Son, Ltd. 15
Dearborn (1923), Ltd. 10
Dublin College of Optics ..... Col. Supp.

(*continued overleaf*)

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INDEX—(contd.)

Duncan, Flockhart & Co. vi
Dunn Bros. Successors, Ltd. ii
Economic Utilities, Ltd. vi
Evans, Adlard & Co., Ltd. 16
Evans Sons Lescher & Webb, Ltd. 3
Franco-British Electrical Co., Ltd. 24
Freudentheil, Smith & Co. ..... Leader Page
Gardiner & Co. (The Scotch House), Ltd. 20
Gardner, W., & Sons (Glos.), Ltd. 23
Geigy Pharmaceutical Co., Ltd. ix
George, Ernest J., & Co. ..... Col. Supp.
Graesser, N. H. ii
Graesser Salicylates, Ltd. vi
Harman Dietetic Laboratories, Ltd. ..... Col. Supp.
Harrington's ..... Col. Supp.
Harrison, A., & Sons, Ltd. 5
Health Products Laboratories, Ltd. xiv
Hickman (1928), Ltd. 24
Hirst, Stuart, Ltd. ..... Leader Page
Hough, Hoseason & Co., Ltd. 16
Hurtley, F., Ltd. 22
International Chemical Co., Ltd. xi
International Laboratories, Ltd. 12
Jeffreys, Miller & Co., Ltd. viii
Johnson Agencies (Proprietaries), Ltd. xii
King, J. C., Ltd. 10
Kofeze Co. xiv
Lang, Jules, & Sons ..... Col. Supp.
Liquinure Sales xii
Lofthouse & Saltmer, Ltd. x
London Pharmaceutical Laboratories, Ltd. 8
M.F., Ltd. ..... Col. Supp.
Macleans, Ltd. 13
Marlene Products ..... Col. Supp.
Martin, Bob, Ltd. 4
Matthews Laboratories, Ltd. ..... Leader Page
Matthews, S., & Co., Ltd. xiv
Meggeson & Co., Ltd. ..... Front Cover
Menley & James, Ltd. 5
Mentholatum, Ltd. 12
Midgley & Parkinson, Ltd. 24
Milner & Coke, Ltd. 16
New Era Treatment Co., Ltd. 1
Organon Laboratories, Ltd. 12
Oxo, Ltd. 14
Pakcel, Ltd. 24
Parke, Davis & Co. ..... Co ii
Peat Products (Sphagnol), Ltd. 14
Penhaligon's, Ltd. 8
Perken, Son & Co., Ltd. 20
Pharman (Birtley), Ltd. 24
Porosan, Ltd. 10
Portland Plastics, Ltd. 22
Potter & Clarke, Ltd. 17
Preemo & Silks 8
Prophyls (Sales), Ltd. 22
Rankin Bros. & Sons ..... Leader
Ransom, Wm., & Son, Ltd. 18
Rendell, W. J., Ltd. iv
Riddell Products, Ltd. iii
Roberts' Patent Filling Machine Co., Ltd. 23
Roche Products, Ltd. iii
Ronaldson, J., & Co., Ltd. ..... Leader
Salem (Pulverized Tragacanth), Ltd. vi
Scholl Manufacturing Co., Ltd. 21
Scott, A. & R., Ltd. 19
Scurr, C. A. ..... Col. 5
Sessions, W., Ltd. 22
Singha, The Dr., Co., Ltd. x
Smith, T. & H., Ltd. iii
Smith, T. J., & Nephew, Ltd. 22
Sturge, John & E., Ltd. ii
Thornton & Ross, Ltd. ix
United Chemists Association, Ltd. 7
Warner, W. R., & Co., Ltd. 15
Watford Chemical Co., Ltd. xv
Whiffen & Sons, Ltd. v
Wilcox, Jozeau & Co., Ltd. ..... Leader

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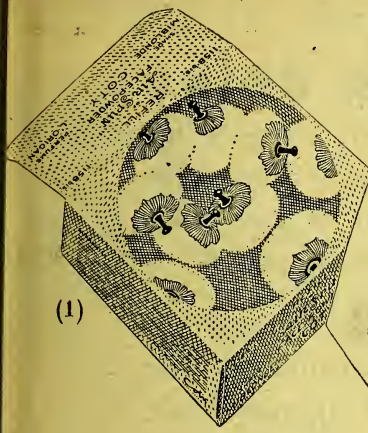

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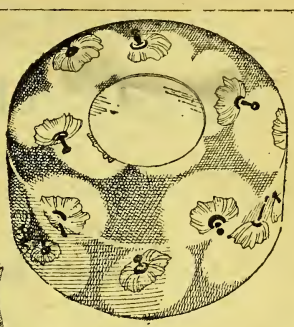

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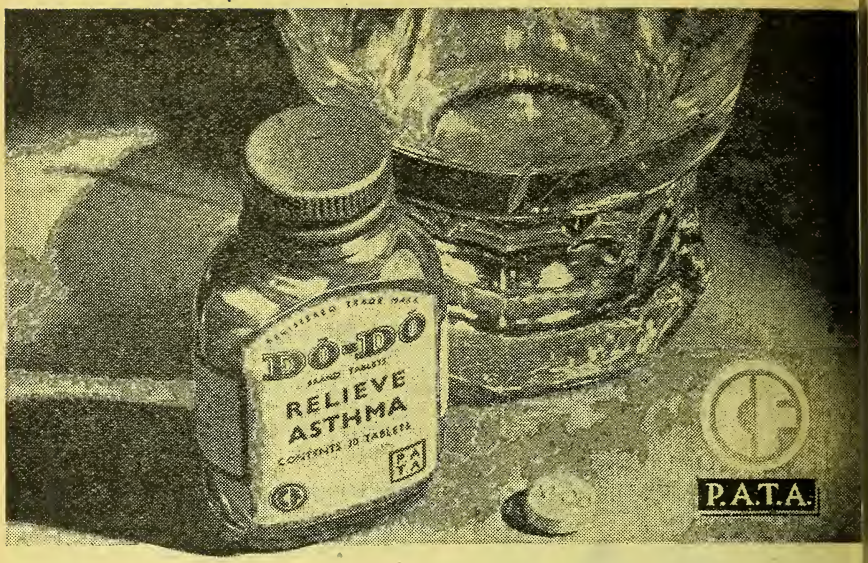

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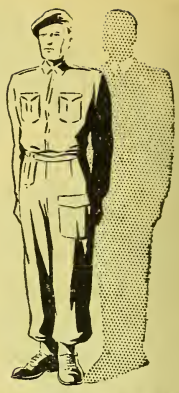

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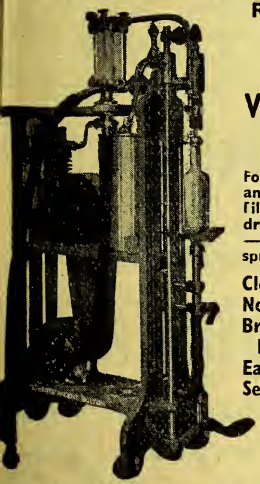

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* *Brit. Med. J.*, 1942, 1, 668.
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CONTENTS

	Page
A.P.E. and N.P.U. Meeting at Leeds	363
Births	360
"C. & D." Dispensing Price List	368
Company News	359
Correspondence	378
Deaths	360
Distribution of Vitamin Foods	356
Editorial Articles:—	
Presenting Penicillin	367
Body Synthesis of Vitamin B_1	367
Retail Trade in 1943	368
Legal Reports	358
National Health Exhibition	374
News of the Week	353
Parliamentary News	356
Penicillin for War Wounds	369
Personalities	361
Pharmaceutical Society of Ireland:—	
Council Meeting	370
Pharmaceutical Society of Northern Ireland: Council Meeting	365
Report on Examinations	372
Statutory Committee Meeting	364
Topical Reflections	357
Trade Marks	378
Trade Notes	362
Trade Report	375
Wills	360

NEWS OF THE WEEK

Starch Prices to be Marked.—Under the arch Food Powders (Control) Order, 944, which comes into force on April 2, placing a similar Order published in 1941, becomes necessary for manufacturers nd packers of starch food powders to ark the approved retail price of the ontents of all bulk containers from which he powders are sold loose. A further hange from the previous Order is that ornflour, which is defined as starch in owder form suitable for use in the prearation of human food, is now distinuished from arrowroot.

Air-mail Services Curtailed.—The Postaster General announces that, for operaional reasons, the civil air-mail services to ibraltar, Portugal, Azores, Cape Verde slands, Madeira, Spain, Canary Islands, witzerland, French and Spanish Morocco, angier, Algeria, Tunisia and Corsica have een suspended. Civil air-mail services to ther countries will have greater liability o delay. The service to prisoners-of-war nd internees in Europe, except Sweden, has also been suspended. Mails for Forces overseas are not affected, except those destined for Gibraltar, air mails to which are suspended.

Conveyance of Carbon Bisulphide.—Under the Bisulphide of Carbon (Conveyance) Regulations, 1944, now in operation, the previous (1935) regulations are amended, so that every vehicle while engaged in the conveyance of bisulphide of carbon by road must now be constantly attended by at least one person of not less than eighteen years of age.

Poisons Rules Relaxation.—A special relaxation for agricultural and horticultural insecticides containing not more than 4 per cent. nicotine, under which it becomes unnecessary to secure a written certificate for a purchaser from an authorised person, to make a corresponding entry in the poisons book, or to have the poisons book signed by the purchaser, is made under the Poisons (Amendment) Rules, 1944, just issued by the Home Secretary. Dated February 21, the new Rules came into operation immedi-

ately upon publication. The substances are included in a new fifteenth schedule to the Poisons Rules.

Double Summer-time.—With the commencement of British Double Summer-time on the night of April 1–2, clocks should be put forward one hour.

Northern Ireland Register.—Copies of the Register for 1944 of the Pharmaceutical Society of Northern Ireland are now available.

Sunday Hours in Ayr.—The Burgh Pharmaceutical Committee has given notice that chemists in Ayr Burgh will, from April 9, open on Sundays between 5 p.m. and 6 p.m. only.

Plastic Lenses for Red Army.—Following a request from the Ministry of Supply, British optical manufacturers are urgently producing hundreds of thousands of spectacle frames and plastic lenses as the first instalment of a large order placed by the Soviet Government.

Eire Benevolent Fund Dance.—The chairman (Mr. Con Collis) and the dance committee of the Benevolent Fund of the Pharmaceutical Society of Ireland wish to express their thanks to the large number of donors to the fund, whose generous support enabled the committee to hand to the Council of the Society a cheque for £320 14s. following the recent dance (see *C. & D.*, February 19, p. 193).

Bath Resolution on Dispensing Fees.—The following resolution was passed at a recent meeting of the executive committee of the Bath Branch of the National Pharmaceutical Union: "The executive committee of the Bath Branch of the N.P.U. is unanimously of opinion that the dispensing fees suggested in the N.P.U. Price List should now be revised, and in most cases increased by 50 per cent. in view of the general advance in wages, etc."

Pharmacy N.J.I.C.—A meeting of the National Joint Industrial Council for Retail Pharmacy was held under the presidency of Sir John Forster on March 22. A discussion took place on scales of wages and general working conditions. It was unanimously agreed, on the motion of Mr. Hann, seconded by Mr. Mallinson, that the proposals from both sides should be referred to a joint negotiating committee for further consideration, the committee to report to a meeting of the full Council on a date to be arranged.

Council Candidates at West Ham.—Messrs. Shinner, Reid and Hayward attended a meeting of the West Ham a Eastern District Association of Pharmac on March 23, Mr. W. H. Cloud in the ch Each candidate elaborated his policy (*C. & D.*, February 26, p. 224, February p. 204, and February 12, p. 175). Ma questions were put by members and de with by the candidates. Votes of tha were proposed by Mr. Forster, secon by Mr. Bell.

Lecture on Penicillin.—Local med men and members of the North St Scientific Association attended a lecture "Penicillin" given by Mr. A. L. Bachara M.A., F.I.C., to the North Staffs Branch the Pharmaceutical Society on March The lecturer described the discovery penicillin by Professor Fleming, rec developments by Professor Florey, and large-scale manufacture of the compou A vote of thanks was proposed by Mr. S Mott (treasurer) and seconded by E. C. Myott, M.D.

Recommended Drug Economies.—Therapeutic Requirements Committee the Medical Research Council has made following amendments to War Me randum, No. 3: *Ascorbic Acid.*—Recla fied B (essential for some purposes, not for others; to be used with st economy). Should be prescribed only the presence of medical indications for use; not to be used as a supplement normal diet. *Cod-liver Oil.*—Reclassifie (essential or readily available). *Vitamin Oil.*—Reclassified B. Is in short supply should be used only when cod-liver oil is tolerated.

Portsmouth Annual Meetings.—The nual meetings of the Portsmouth Bra of the Pharmaceutical Society, Portsmo Chemists' Association, and local Phar ceutical Committee, were held on March when the following officers were elec *Chairman* of Branch and *President* Association, Mr. R. G. Tremlett; *chairman* and *Vice-president*, Mr. A. Bradburn; *Treasurer* of Branch Association, Mr. W. E. Bown; *Chair* of Pharmaceutical Committee, Mr. T. Johnson; *Vice-chairman*, Mr. R. Tremlett; *Secretary* of Branch, Associa and Committee, Mr. F. H. Ruoff.

Women Pharmacists' Members' Nigh At the "Members' Night" of the Nati Association of Women Pharmacists in London on March 16, the president (M. C. Islip) gave a brief outline of her pc as a candidate for election to the Phar

ıtical Society's Council (see *C. & D.*, bruary 12, p. 177). She also advocated truction for pharmacists on surgical truments, and simplified nomenclature drugs. Considerable discussion followed address, MISS ANDERSON enlarging on question of publicity for pharmacy, and ss HAYWARD emphasising the diffities experienced by pharmacists in retail actice.

Manchester Public Pharmacists.—At a eting of the Manchester Branch, Guild of blic Pharmacists, on March 20, Mr. Sayle eer, M.Ch., F.R.C.S., gave a lecture on ome Foot Troubles Related to Form and nction," illustrated by a Technicolor film. all departures from normal in the foot, said, often revealed abnormalities which ve rise to symptoms not shown by viously deformed feet. Prevention of foot ments included not only supervision of growing child and its shoes, but also a rection of primary structural faults ich might lead to secondary effects. nditions to look for included hallux idus, a condition resulting from an ompetent first metatarsal, and spasmodic foot. The majority of cases responded simple measures.

rish Drug Association.—Mr. Lyall G. ith (president) was in the chair at a ent meeting of the committee of the sh Drug Association, at which the secrey was instructed to forward a cheque £5 5s. to the pharmaceutical chemists' l students' social committee. Letters re received suggesting earlier closing irs in the Dublin area. Printing of a ond edition of the association's price list s decided upon, and a quotation subted by a Dublin printer was accepted. long discussion took place on prices, ticularly those charged by certain wholers for castor oil. A report was conered from a subcommittee on the bonus er made to the Irish Union of Distributive orkers and Clerks, the Committee decidthat, as the Union had ample time to l with the matter and no reply had been eived to the Association's letter of Janu- 3, it would be advisable to withdraw original offer.

Chemical Export Ban Lifted.—The Ext of Goods (Control) (No. 1) Order, 1944 R. & O., 1944, No. 320), removes, from rch 28, export control from certain emicals and pharmaceutical preparans, except for goods exported to destinans to which the export of all goods is hibited. Iceland is removed from the list of countries and territories to which the export of all goods is prohibited, but licences continue to be necessary for exports to Iceland of goods included in the Schedule to the Export of Goods (Control) (No. 10) Order, 1943. The item relating to gums, resins and lacs has been replaced by the item "Gums, resins (including oleoresins) and lacs, natural, not specified elsewhere in this Schedule, and mixtures (other than medicinal preparations) containing such gums, resins and lacs" (operative from April 17). Licences will no longer be required, except as already stated, for camphor monobromide; inorganic iodides; iodine; iodoform; iodoxyl; and sodium campho-sulphonate. The export of certain inorganic iodides continues, however, to be controlled under other specific headings (e.g., lead and zinc iodides). The item "calcium glycerophosphate and its preparations" has been deleted from the Schedule to the Export of Goods (Control) (No. 10) Order, 1943, but export of calcium glycerophosphate continues to be controlled under the item relating to phosphorus and phosphorus compounds. The headings in respect of certain drugs and their preparations included in Group 13 of the Schedule to the Export of Goods (Control) (No. 10) Order, 1943, have been revised and licences will not, in future, be necessary for the export of certain preparations of these drugs except in respect of destinations to which the export of all goods is controlled. The revised headings in respect of the drugs, etc., affected are as follows:—

> Adrenaline and its salts (including solutions containing preservatives); Atropine and its salts; Benzocaine; Camphor; Cantharides; Cantharidin; Chaulmoogra, oil of; Cinchophen; Ephedra; Ergometrine and its salts; Ergot (including prepared ergot), and its extracts and tinctures; Ergotamine and its salts; Ergotoxine and its salts; Gentian and its extracts, tinctures and infusions (simple or compound); Leptandra; Liquorice root and its extracts; Male fern and its extract; Menthol, natural and synthetic; Methyl salicylate; Nikethamide; Parathyroid; Pituitary gland and its extracts; Podophyllin resin; Pregneninolone (anhydrohydroxy progesterone); Procaine and its salts (including solutions containing preservatives); Progesterone; Santonin; Scilla (squill) and its extracts and tinctures, and preparations of red squill; Slippery elm bark; Sodium salicylate; Thyroid; and Witch-hazel, distilled, and mixtures containing distilled witch-hazel.

Copies of the Order are available from H.M. Stationery Office, Kingsway, London, W.C.1.

DISTRIBUTION OF VITAMIN FOODS

At a Ministry of Food Press conference on March 28, a question was raised about the method of payment for welfare foods. The questioner asked whether these foods could not be bought for cash instead of for postage stamps. In reply, the Minister explained why the Ministry acted as its own shopkeeper for these foods instead of leaving distribution and sale to the trade. It was a matter, he said, of supplies and man-power. The total amount involved to provide what they needed for holders of R.B. 2 was very small; so, in the case of orange juice, were the available supplies.

Not Adequate Stocks for Chemists

There were 25,000 chemists and rural retailers to some extent doing duty as chemists, and supplies would be needed to maintain an adequate working stock in every chemist's shop, with a sound working margin in the background for use in the course of distribution. They simply had not got the supplies, or anything like them, of orange juice to make this possible. Again, the orange juice was somewhat perishable, and to give full value needed to be turned over, taken up and consumed quickly. Even the arrangement of an economic price structure would be difficult, especially as he was most anxious that those who got free supplies of milk should also get free vitamin supplements. Any scheme for implementing this in trade hands could not help involving some irritating machinery and much accounting, which would be a heavy burden on the trade and on Food Offices.

Ministry's Own "Shops"

To overcome all these difficulties, the Ministry ran its own shops, over 10,000 of them, on the whole quite well placed, and including district nurses and women's institutions, giving admirable local mobile service and their own distribution system which they could control rapidly, moving supplies at will to wherever they were needed. Accounts and cash holdings in every one of these 10,000 shops, with the necessary background of checks and counter-checks, could not be loosely arranged while dealing with Government money. Could they picture the poor district nurse, for instance, having to account to them for cash taken for every bottle she handled? To avoid all this they instituted a coupon in two forms. Either it needed an ordinary 2½d. postage stamp to be stuck on, or it gave entitlement direct to supplies. In either case the coupon lected was the means of replacement supplies, and produced a simple metho control. There was no need for any e work or travelling for the mother. T could be no mother who did not periodic need to buy 2½d. stamps. All she had t was to buy a few more every now and t to cover her welfare needs and keep t in her bag. By this means she paid Government, without knowing or noti it, through the ordinary channels Government accounts, without any bo to anyone.

PARLIAMENTARY NEWS

Call-up of Small Shopkeepers.—Ernest Bevin (Minister of Labour) sai the House of Commons on March 23 he could not put any general stop on calling-up or direction of small shopkee He had no evidence that the principles procedure followed were not adequat deal with cases of exceptional hardship.

Retail Trade Licences.—Mr. Ma asked the President of the Board of T on March 21 what steps were being t to ensure that independent traders no the Forces should be given a fair ch of re-entry into the retail trade on mobilisation. Mr. Dalton replied licences would be granted as a matte course to ex-Servicemen on the Boar Trade's Register for Retail Traders wished to re-establish themselves in t former businesses after the war. Sp steps had been taken to bring the Reg to the notice of men serving in His Maje Forces, both at home and overseas.

Diphtheria Immunisation.—Mr. A. wards asked the Minister of Health March 21 how many instances of d following shortly after immunisation aga diphtheria had been reported to his partment; how many cases of ner trouble caused by this operation; whether any inquiry had been made such reports by officials of his Departm Mr. Willink: The number of cases in I land and Wales in which it has come to notice that death has taken place sho after immunisation by toxoid against d theria is two. . . . It is estimated about five million children have been g protection by this means in the last years. The number of reported case which "nervous trouble" has been n some time after immunisation is sixteen

TOPICAL REFLECTIONS

An Invaluable Symposium

Nothing that I have read for a long time ast has given me such satisfaction as the x pages headed "Standards for Post-war harmacies" in your last week's issue. nyone who has failed to realise how drastic the curtailment of your news service ising from the paper control may have ondered, when an event like the publica- on of the N.H.S. White Paper has oc- rred, what are the reactions of pharma- sts to it. Any doubt whether a healthy terest in their vocation is the rule among roprietors and qualified dispensers is set rest by your closely-packed article. ncidentally, the timid gentleman who ared that your questionnaire could sug- st something sinister "to the uninformed" ay be assured that it is the well-informed ho have received it and have replied to it.) here is not much wrong with British harmacy when, amid the preoccupations this vast war—the overwork, the sense physical danger, the loss of friends and aterial possessions—so many of your bscribers have found time to contribute ractical suggestions to this symposium. efore commenting on a few of the points ised there and in your editorial article on . 343, I should like to inquire whether any ecent analysis of National Health Insur- nce prescribing is available. Such an nalysis would no doubt throw light on the ariation in the calculated "maximum umber of prescriptions per dispenser per eek" received.

The Time Factor

A sound estimate of the optimal number f prescriptions to be dealt with in the ime allotted during an average week is o my mind one of the most important natters to be agreed upon, and at an early tage, in preparation for a new dispensing ervice. No more will be heard, I trust, of he utterly inadequate five minutes per prescription that was put forward during he negotiations which ushered in the first National Health Insurance Act. The xperience recorded on p. 336, "about ifty-five prescriptions per six-hour dis- pensing period, with eight-hour day worked and two hours allowed for necessary dispensary work other than dispensing, and for interruptions," can be matched, I believe, by many dispensers, and may well form a basis for discussion. The daily fluctuation in rate of arrival must be taken into account. For several hours N.H.I. prescriptions other than those left on the previous day are few; then, probably at an already busy time, they are handed across the counter in shoals and must be spaced out according to circumstances, not without difficulty of explanation to customers. One detail that may not have occurred to all your correspondents is the allowance of a margin for accidents. Even in the best-regulated pharmacy something will occasionally go wrong; and if the dispensing service is normally being worked under pressure the resulting congestion may involve risks that should not be taken. The use of a "plate-glass window" as a screen for the dispensing department is an admirable idea: where I have seen it, it has appeared to me to afford sufficient detachment from counter work while enabling customers to satisfy themselves, if so inclined, that their prescriptions are being dispensed with due diligence on the part of the compounder.

Adjuncts

If the Cambridge suggestion of a central dispensary, not open to the public, is adopted for each area, the question of additions to equipment in the generality of pharmacies will be more easily solved. One possible addition likely to evoke considerable discussion is that of a waiting room. To many people this type of apartment is associated with dentists' surgeries, railway stations, or both; if it became an extension of a chemist's shop they would probably expect to find illustrated papers provided for diversion, and might become fidgety if kept waiting for more than a few minutes. The regulations in force for the warming of shops would presumably apply to such rooms. I agree with those of your correspondents who desire an ample number of books of reference for every pharmacy. To suggest that many pharmacists in business are somewhat remiss in this matter would be guesswork; but if that is the case, it is time they realised that science does not halt, and that the habit of frequent reference to the printed page pays. The view of another correspondent that formularies should be in abbreviated Latin is in accordance with common sense. Pharmacopœias are in a class of their own; of late, however, they have gone some distance in this direction by introducing abbreviations of official names. The basis of payment will, no doubt, be duly considered by the Legislature when the time comes. ***Xrayser***

LEGAL REPORTS

Rat Poison in Tea.—At Durham Assizes, recently, Albert Edward Everett, a civil defence worker, admitted charges of "attempting to administer poison with intent to cause annoyance." Evidence was given that he put a quantity of rat poison into tea, and gave a cup to the woman with whom he was lodging. He was sentenced to six months' imprisonment.

Alleged Traffic in Cocaine.—At Liverpool police court, on March 11, Emanuel Kwasi Dickson, Cambridge Gardens, London, a native of Accra, West Africa, appeared on a charge of attempting to secure the supply of a dangerous drug (cocaine) in Liverpool. It was alleged that Dickson was connected with a gang of drug traffickers in London who were secretly supplying addicts. Dickson's activities came under notice about the time some dangerous drugs were stolen in Liverpool. He was found trying to buy cocaine from a wholesale druggist in the city. After being remanded in custody, Dickson was on March 20 sentenced to three months' imprisonment with hard labour. Evidence was given during the trial that a warehouseman employed by Ayrton, Saunders & Co., Ltd., wholesale druggists, Liverpool, was approached by Dickson, who said he had a friend who wanted some cocaine, and added: "Perhaps you can get someone you can trust to get some for me. I will give you £10 for yourself if you can get me 1 lb." The warehouseman reported his interview to the managing director of the company. Later, the promised award was increased to £20 or £30, and on March 10 Dickson was handed a bottle containing a substitute resembling cocaine, for which he paid £16. Detectives appeared and took Dickson into custody.

Shoe Polishers as Powder Puffs.—Hearing of charges against Joliette, Ltd. (see *C. & D.*, February 19, p. 188) of supplying, without a Board of Trade licence, lambswool alleged to be powder puffs, was concluded at Bow Street police court, London, on March 17. During the hearing it had been stated by the defence that when purchase tax was increased from 33⅓ per cent. to 100 per cent. the company decided to make a cheaper article than the sample that had been submitted to the Board of Trade. The goods had always been sold to wholesalers as polishers and never as powder puffs. They were wire-brushed to get rid of impurities. Between March and September 1943 the sales totalled £14,400, on which there was a profit of £3,000 £4,000. It was known the wholesal supplied to chemists, but boot polish had been seen in chemists' shops. If legislature had intended to bring su articles within the regulations they co have specified "Powder puffs and artic used as such." The magistrate stated tl the company began by making the artic about 3 in. square and finished by reduc the size to 1 in. The goods were made attractive colours and he was of opin that they were intended to be sold a used as powder puffs. The company v ordered to pay a fine of £2,000, w £52 10s. costs; Hugo Ripper, a direct against whom there was a similar summo was fined £100, with £10 10s. costs.

Gelatin Prosecutions.—At Nuneaton pol court, recently, Walter Newton, conf tioner, Hinckley, was summoned for selli gelatin powder not in accordance with t Food and Drugs Act. Evidence was giv that a sampling officer called at a stall Market Place, Nuneaton, and bought fr the stall-holder some gelatin powder packets marked "lemon," which the vend stated he had had from Newton. The sa pling officer proceeded to Newton's st in Abbey Street and there saw gela powder in bulk. He bought 6 oz. T samples taken contained 7·2 parts and parts of arsenic per million. The stall-hol was protected by warranty; Newton v an innocent person who was not, unf tunately, in a position to bring char against the manufacturers. He was fir £1 on each charge, with £2 2s. costs.— Shrewsbury police court, recently, Stan Machin, carrying on business as a chem under the name of Salter & Co., 34 Cas Street, pleaded not guilty to selling "pu powdered gelatin" to which the preser tives zinc and arsenic had been added, a denied a second charge that the gela was not of the quality demanded by t purchaser. Simultaneously Machin su moned Evans, Gray & Hood, Ltd., Gra church Street, London, E.C., contendi that the offences attributed to him w due to their act or default. The compa pleaded not guilty. Prosecution alleged tl the sample examined by the Shrewsbu public analyst was found to contain gr. 1/ arsenic and gr. 1 zinc in 1 lb. of gelat Both quantities were excessive; the pub analyst declared it was not reasonable have any amount of zinc in gelatin. Arth

omas Braybrook, a director of Evans, ay & Hood, Ltd., stated that, since the r, the hides and fleshings from which atin was made came largely from South erica. The Government insisted that material should be treated with arsenical p and zinc sulphide as a precaution inst bacteria. It was not at all necessary add preservatives to gelatin; the difficult blem was to eliminate arsenic and zinc. e magistrates found that a contravention the Act had been proved, and that it s due to the act or default of Evans, ay & Hood, Ltd. They announced fines the company of £3 on each charge, with 5s. costs. Mr. Machin was acquitted on h charges.

Theft and Receiving.—At Old Street, ndon, police court, on March 23, a fine £50, with £26 5s. costs, was imposed John Henry Swainson, M.P.S., Furze ttage, Clearbrook, Yelverton, Devon, o pleaded guilty to receiving forty-eight s of Radiomalt, valued at £4 16s., the perty of The British Drug Houses, Ltd., ndon, N.1. Two employees of the npany, Charles Edward Noble, a loader, l John Leslie Hudson, a driver, admitted ng concerned in the theft of the property l in stealing a further forty-eight bottles Radiomalt. The driver, who was stated have had a previous conviction for theft, s fined a total of £15, and the loader, who d been with the company for forty-four ars, a total of £10. Prosecuting counsel ted that the driver of the van which riodically went to Devon to supply stomers of the company sold, for £3, e forty-eight bottles of Radiomalt to ainson. The driver made a statement which he admitted knowledge that the s of Radiomalt were in the van, as harlie Noble told me he had put them ere." Swainson said he knew he was king a risk in buying the Radiomalt, but ought he was under an obligation to the iver. He had not liked to refuse the er, as on a previous occasion Hudson had pplied him with three gallons of petrol, d through this he had placed himself in udson's power. Giving his decision, the agistrate said he did not want to do ything that would harm Swainson's ture. He had no doubt that the Pharaceutical Society, when they came to nsider the case, would give full effect to l that could be said on Swainson's behalf, it he would be failing in his duty if he ssed over the offence to the extent of lling upon Swainson to pay costs only.

COMPANY NEWS

Pharmaceutical Distributors (Croydon), Ltd. (P.C.).—Capital £500. Manufacturing chemists and distributing agents, etc. S. C. Springett and H. R. Cooper, directors. R.O.: 16 Katharine Street, Croydon.

Brierley's Pharmacy, Ltd. (P.C.).—Capital £200. Chemists, druggists, etc. Ben Brierley, M.P.S., Mrs. Eliza Brierley. and Percy Bagnall, M.P.S., directors, R.O.: 32 Oldham Road, Failsworth, Lancs.

Percy G. Gaen, Ltd. (P.C.).—Capital £600. To acquire the business of a chemist carried on by Percy G. Gaen at 127 Station Road, Port Talbot. Percy G. Gaen, M.P.S., George L. Jones, M.P.S., and Mrs. M. Jones, directors. R.O.: As above.

Ecclestons (Chemists), Ltd. (P.C.).—Capital £2,000. To acquire the business of a chemist carried on by Thomas Eccleston, 121 Pottery Road, Warley, Birmingham, 32. Thomas Eccleston, M.P.S., and Freda C. Eccleston, directors. R.O.: As above.

G. Allan Supplies, Ltd. (P.C.).—Capital £1,000. To acquire the business of a hairdressers' and chemists' sundriesman carried on by Rose Laymond, 5 Fryent Way, Kingsbury, London, N.W.9. Rose Laymond, director. R.O.: As above.

Stanley Burton, Ltd. (P.C.).—Capital £2,000. To acquire the business of a pharmacist carried on by George S. Burton at 215 Gloucester Road, Bristol. George S. Burton, M.P.S., and Stanley W. Savory, directors. R.O.: 16 John Street, Bristol, 1.

W. T. March & Co., Ltd. (P.C.).—Capital £100. Manufacturers of and dealers in chemists' requisites, etc. William T. Weeks, M.P.S., Mrs. Dorothy M. Weeks, and Thomas M. Hunnings, M.P.S., directors. R.O.: 166 Mitcham Road, Tooting, London, S.W.17.

Domitor, Ltd. (P.C.).—Capital £1,000. To acquire the business of "Turner Bell, specialities department," South Shields, manufacturers of and dealers in pharmaceutical preparations, etc. Ralph Turner Bell, M.P.S., Ellen Bell, James and Dora Bell, directors. R.O.: 9 Woodbine Street, South Shields.

J. C. & J. Field, Ltd.—Mr. Charles Peter Mortimer Green (assistant general manager) has been appointed a director.

United Glass Bottle Manufacturers, Ltd.—Mr. T. C. Moorshead and Mr. H. J. Judd have been appointed joint managing directors; Mr. S. S. Kenyon (secretary) has been appointed to the board.

BIRTH

GEMMELL.—At Moffat cottage hospital, Girvan, on March 19, Isabel, the wife of William Gemmell, Ph.C., Denrhoda, Moffat, of a daughter.

DEATHS

BANN.—On March 18, Mr. Arthur Bann, M.P.S., principal director of Bann's Pharmacy, Ltd., 186 Higher Hillgate, Stockport. The business was founded by Mr. Bann in 1909.

HEYHOE.—At 43 College Road, Reading, on March 15, Mr. Horace Heyhoe, M.P.S., formerly of Market Place, Fakenham, Norfolk, aged seventy-seven.

HOWELLS.—In a military hospital, recently, Mr. John Emlyn Howells, M.P.S., 71 Abingdon Villas, Kensington, London, W.8. Mr. Howells qualified in 1940.

JACKSON.—On February 21, Mr. F. J. Jackson, for nearly sixty years a member of W. J. Bush & Co., Ltd., aged seventy-six. Mr. Jackson was engaged by the late Mr. W. J. Bush. After passing through various home departments, he was in 1897 appointed head of the home sales section. In 1900 he took over the territory of Lancashire. He was an active member of the Chorlton masonic lodge, which he joined in 1901, and went through various offices until he became, in 1920, Provincial Grand Assistant Director of Ceremonies. He was a keen athlete and well known amongst the Finchley Harriers. In the seven years 1886–93 he was awarded between sixty and seventy cups, prizes and medals. Mr. Jackson retired at the end of January 1943.

MONTGOMERY.—On March 23, Mr. John Montgomery, M.P.S., 24 Mount Road West, Sunderland, aged fifty-five. Mr. Montgomery, who qualified in 1911, was in business in Sunderland from 1918 until his death. His apprenticeship was served with ex-baillie W. J. Tolmie, J.P., M.P.S., Stornaway, Isle of Lewis. For twenty years he was the secretary of the Sunderland Pharmaceutical Association and of the local Pharmaceutical Committee. He was also an ex-chairman of the Sunderland Branch of the Pharmaceutical Society.

PRAIN.—On March 16, Lieutenant-Colonel Sir David Prain, C.M.G., F.R.S., director of the Royal Botanic Gardens, Kew, 1905–22, and an honorary member of the Pharmaceutical Society of Great Britain, aged eighty-six. Sir David Prain formed, with Mr. E. M. Holmes (a former curator of the museums of the Pha ceutical Society), the committee of refer in botany responsible for the botany of British Pharmacopœia, 1914.

WILKIE.—At Greenwich Hospital, don, S.E.23, on February 23, Mr. D Thomson Wilkie, M.P.S., 9 The Vill Charlton, London, S.E.7, aged seventy Mr. Wilkie collapsed suddenly during air raid. He was removed to hosp but death occurred soon after he admitted. Mr. Wilkie qualified in 1 After many years in Switzerland, Fra and Central London, he took over in the pharmacy in Charlton, and bec much liked and respected locally. H survived by his widow and two sons.

WILKIN.—On March 23, Mr. Joseph Wilkin, St. Winifred's, Charlton Ave Westcliff-on-Sea, formerly of East Hann field, aged fifty-three. Mr. Wilkin wa many years associated with Body's Pha cies, Ltd., Southend-on-Sea, and Te Ltd., manufacturing chemists, and a earlier date served with Evans Sons Les & Webb, Ltd., Liverpool.

WILLS

MR. FRANK BLACKMORE, chemist druggist, The Steppes, Milton Hill, Wes super-Mare, Somerset, left £7,185, with personalty £3,801.

MR. JOHN MOSE FENWICK, 32 Chur Road, Willesden Green, London, N late of Irvings Yeast-Vite, Ltd., Wat left £361.

MR. HERBERT RILEY, 21 Avondale R Palmers Green, London, N., a represe tive of Thomas Ward & Sons, Ltd., and Erasmic Co., Ltd., left £166.

MR. WILLIAM RADFORD, 37 Priory St Ware, Herts, for thirty years manage Allen & Hanburys, Ltd., Ware, left £2, with net personalty £1,354.

MR. ROBERT ARMSTRONG BELL, M. 5 Waverley Terrace, Marsh, Huddersf Yorks, governing director of R. A. Be Co., Ltd., wholesale and manufactu chemists, Huddersfield, who died on M 15, left £989, with net personalty £868.

MR EDWIN POTTS, O.B.E., 28 Ch Street, Durham, secretary of the Nati Association of Insurance Committees, C to the Durham County Insurance C mittee, and first president of the Nati Association of Clerks of Insurance C mittees, left £3,657, with net person £2,238.

PERSONALITIES

Ir. J. C. C. Johnston, M.P.S., Leith, been elected a member of the Edinburgh mber of Commerce and Manufactures.

Ir. Jesse M. T. Reynolds, M.P.S., M.A. (since 1923 territorial manager for Boots, Ltd., in Liverpool, Merseyside and the Isle of Man), has been appointed a director of the company, which he joined in 1902. Mr. Reynolds is a vice-chairman of the Liverpool Branch of the Incorporated Sales Managers' Association, of which he was ently made a Fellow. He is a director the Hillside Golf Club, Southport, of ich he was captain in 1927, 1928, 1941, 42, and 1943.

Mr. J. M. T. Reynolds

Captain (Temporary Major) W. S. arvey, M.B., R.A.M.C., son of the late . J. D. Harvey, M.P.S., Tranent, has en mentioned in dispatches in recognition gallant and distinguished conduct in cily.

Mr. Robert Martin, managing director Bob Martin, Ltd., has been adopted as ospective parliamentary Liberal candi- te for Southport. Mr. Martin is also chief arden of the borough and a local ma- strate.

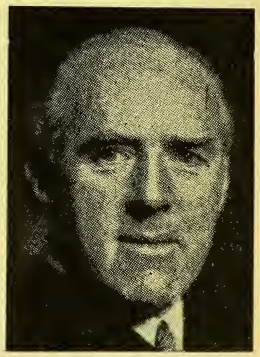
Sir Henry Dale, president of the Royal ociety, has accepted an invitation to ecome chairman of the Penicillin Com- ittee. Mr. Arthur Mortimer, M.P.S. leputy director of medical supplies, linistry of Supply), becomes vice-chairman.

Mr. John Lawson, Ph.C., The Red louse, Edwalton, Nottingham, who, until e retired in September 1943, held the osition of proprietaries and sundries uyer with Boots Pure Drug Co., Ltd., Nottingham, recently underwent an opera- ion for gastric ulcer and perforation of the tomach. He is making good progress owards recovery.

Mr. Edward D. Glover (W. H. Richard- on & Co.), 40 Tong Road, New Wortley, eeds, 12, who has been a member of the St. John Ambulance Association for thirty years and is at present officer in charge of the Armley and Wortley Division, has recently been promoted to the grade of Officer in the Order of St. John. For the Civil Defence organisation locally Mr. Glover has arranged 571 examinations in first aid, etc., with a total of 17,322 awards.

Dr. Richard Alan Morton has been appointed Johnston Professor of Biochemistry, University of Liverpool. Dr. Morton is a former student of the university. He was awarded the degree of Ph.D. in 1923 and the degree of D.Sc. in 1928. In the same year he also became a Fellow of the Institute of Chemistry and subsequently was awarded the Meldola Medal of the Institute. He has undertaken biochemical work for the Medical Research Council and for many Government departments.

Alderman Edwin Thompson, J.P., M.P.S., has been appointed High Sheriff of the county of Lancashire. Mr. Thompson, who is an Alderman of the City of Liverpool and was Lord Mayor of the City in 1930–31, is an ex-president of the Society of Chemical Industry and of the British Water Works Association. He is governing director of Manesty Machines, Ltd., and Thompson & Capper Wholesale, Ltd., manufacturing chemists; managing director of Premier Sales, Ltd., and Crosby Engineering Co., Ltd.; and chairman of Photo-Optics, Ltd., Liverpool. A member of the Royal Infirmary committee, he is also chairman of the Liverpool Red Cross Penny-a-Week Fund and vice-chairman of the Liverpool Playhouse Theatre, as well as being a member of Liverpool University Court.



Alderman E. Thompson, J.P.

Salute the Soldier.—Invest in war savings the cash received for salvage of waste paper (showcards, advertising matter and old cartons) turned out from your storeroom.

TRADE NOTES

Pepsin and Bismuth Mixture.—C. J. Hewlett & Son, Ltd., London, E.C.2, direct attention to "Hewlett's mixture" (Mist. pepsinae co. c. bismutho).

Drug Factory in the News.—A recent issue of "The Liverpool Post" contained a two-column article on work at the factory of Evans Sons Lescher & Webb, Ltd., Liverpool.

Fruit Bottling.—Porosan, London, W.C.2, draw attention to their Porosan fruit caps and skin rings for the preserving of fruit. These items, terms for which are given elsewhere in this issue, are being distributed to the trade by S. Maw, Son & Sons, Ltd., New Barnet, Herts.

Error in Advertisement.—Optabs, Ltd., Bradford, Yorks, point out that an error occurred in the company's full-page announcement for Optabs eye lotion liquid in the issue of the *C. & D.* dated March 25. Discount of 2½ per cent. is allowed on orders of 6 doz., but not on orders of 3 doz.

War-time Packs.—On another page Coty (England), Ltd., Leighton Buzzard, draw attention to three varieties of war-time packs for Coty Air-spun face powder. Each pack is illustrated, and it is pointed out that, so soon as stocks of two of them become exhausted, there will remain only one war-time pack for this speciality.

Improved Product.—A new and improved Drene—the All-star Drene—takes the place of both regular and special existing varieties. The new product is packed in 3-doz. and 1-doz. outers respectively. The makers are Thomas Hedley & Co., Ltd., Newcastle-on-Tyne, 1.

New Price List.—Whiffen & Sons, Ltd., manufacturing chemists, London, S.W.6, have available a limited number of copies of their new price list for distribution to the trade, on receipt of a penny stamp. The new list is prepared on a loose-leaf system which, it is hoped, will prove useful after the war for notification of price changes.

Nasal Capsules.—Supplies of Vocalzone nasal capsules, each of which contains a 20-minim dose of a medicament containing ephedrine, menthol, etc., are obtaina from trade wholesalers and from Brooks Warburton, Ltd., London, S.W.1. It claimed that the accurate dose of the c sule ensures safety in self-treatment of na and respiratory conditions.

Plastic Skin.—Portex plastic skin, d cribed as a therapeutic adhesive surgi barrier, and indicated for cuts, abrasi and the like, is being issued throu pharmacists by Portland Plastics, Lt London, W.1, following upon success developments in the use of the compan acrylic resin in general surgery. Terms given on another page.

Easter Holidays.—The offices and wa house of H. R. Napp, Ltd., London, W.C will be closed for the Easter holiday fr Thursday evening, April 6, until Tuesc morning, April 11. Emergency requireme of the company's preparations are availa from John Bell & Croyden, 50 Wigm Street, London, W.1, or R. Woolby Broo 38 Gloucester Road, S.W.7.

Supplies Available.—Parke, Davis & C Ltd., London, W.1, announce that they n have supplies of Taka-diastase, and c offer the following preparations prepa from it: Taka-diastase tablets, sedat elixir and liquid, Taka-diastase and pep compound tablets, Taka-diastase pepsin a pancreatin tablets, and Takazyma. Det of packings are given elsewhere in this iss

Business Change

THE EXPORT LICENSING DEPARTME (BOARD OF TRADE) is shortly removing 3 Bank Buildings, Princes Street, Lond E.C.2 (Telephone: Clerkenwell 4373), a Stafford House, King William Stre London, E.C.4. From March 30 all co munications should be sent to Ba Buildings. Persons wishing to intervi a member of the staff are advised to asc tain in advance from Inveresk House, 3 Strand, W.C.2 (Temple Bar 1221, Exte sion 6), at which premises they shou attend.

Proprietary Articles Trade Associatio

Additions to Protected List.—*Parke, Da & Co.*, Gluco-Fedrin with Phemeride, 10-c (new size), 14s. doz., tax 2s. 4d. doz., inclusi retail price 1s. 11½d. Prices in Eire, 2 16s. doz.

Alterations.—*Bob Martin, Ltd.* (correctio Antiseptic dog-soap, 4s. 10d. doz., tax 1s. 7 doz., i.r.p. 8d.

A.P.E. AND N.P.U. JOINT MEETING AT LEEDS

MEETING of the Leeds Branches of the tional Pharmaceutical Union and Asso- tion of Pharmaceutical Employees was d in Leeds on March 16, Miss F. Cousin the chair. MR. M. JACKSON (A.P.E.) ened a discussion on the Joint Industrial uncil for Retail Pharmacy. He said that e representation of the A.P.E. reflected e constructive part in the developments ding to the establishment of the Council. e machinery would maintain stability in ail pharmacy in the post-war period, ough employees could not go back to nditions which had existed previously. long as employees got a square deal, the ployers had nothing to fear from organ- tion. The interests of all qualified were und up with the establishment of reason- le minimum rates, and with seeing that e unqualified were similarly covered. ere were seven pharmacists on the rkers' side, an adequate safeguard that ofessional interests would not suffer. It s important, however, that pharmacy in ture should offer a career comparing vourably with other professions requiring nilar academic standards. The full im- cations of the new educational Bill should appreciated.

ofessional and Economic Standards

The J.I.C. would place pharmaceutical airs in their proper perspective. It was e duty of the Pharmaceutical Society to aintain the highest possible standard of ofessional service and conduct, and of the ade unions to translate such service into onomic standards commensurate with the sponsibilities. Activity in both spheres as desirable and complementary. For the st time the employees had a responsibility the well-being of their profession, whilst e responsibilities of the employers had en increased only to an extent similar to at accepted in other sections of retail stribution.

MR. T. HESELTINE (chairman, N.P.U.) alt with events leading to the formation the Council. The N.P.U. had been proached on two previous occasions and d not conceded the need for its formation. this occasion the specific needs of retail armacy were appreciated, and he had no ubt that the operations of the Council ould benefit the members of the N.P.U. e N.P.U. had felt that this machinery as not suitable for dealing with hospital armacists. There were adequate safe- ards in the procedure to ensure that reason on both sides would prevail, and he agreed that the employees were in capable hands. The machinery, which was of a purely voluntary character, was essential to meet the post-war period, and there was no intention of inflating wages. Basic minimum rates would be of value in parleys with the various Ministries, including negotiations about National Health Insurance.

Training Recommendations

The machinery would deal with other problems, and discussions with other J.I.C.s were taking place regarding the legal enforcement of decisions. There was no intention of infringing upon the activities of the Pharmaceutical Society. The J.I. Councils had been invited by the Government to consider the entry and training of young people in the industry. Any recommendations the Council might make would be to the appropriate authority in the case of apprenticeship and training, namely, the Pharmaceutical Society.

In discussion, MISS FIRTH asked whether the Guild of Public Pharmacists might have a seat on the J.I.C.—MR. JACKSON said: No, the Guild is not a trade union. MR. HESELTINE agreed that representations might be made. Pressed further, Mr. Jackson stated that the Guild of Public Pharmacists could not hope to regulate wages and conditions by "remote control." They must operate on a trade-union basis, so that either section of employees could take advantage of favourable developments in the other sphere. He agreed that co-operation on broad issues such as the White Paper was desirable, and intimated that the A.P.E. had already taken steps to consult with other trade unions on the present issues. He suggested that hospital pharmacists should join the Association of Scientific Workers, through which co-operation could be developed, and which had a representative on the J.I.C.

MR. F. BRACKLEY (N.P.U.) proposed a vote of thanks, and expressed the view that the J.I.C. would meet the future developments and protect the interests of the profession in the changes ahead. MR. M. FALLER (A.P.E.) seconded.

Guild of Public Pharmacists.—A meeting of the Guild will be held at 17 Bloomsbury Square, London, W.C.1., at 7 p.m. on Friday, April 14, when Mr. Hugh N. Linstead, O.B.E., M.P., will speak on "A National Health Service."

STATUTORY COMMITTEE MEETING

A MEETING of the Statutory Committee of the Pharmaceutical Society was held in London on March 23, Sir Joshua Scholefield, K.C. (deputy-chairman) presiding.

The first case concerned Mr. Edward Alexander Grey Tocher, who had been convicted at Bournemouth in 1943 of an offence under the Vagrancy Act, 1824. The facts were submitted to the Committee by Mr. W. J. C. Quarrell. Mr. Tocher sent a letter saying that he was unable to attend, and he was not represented.

Mr. Quarrell said that in 1939 the Statutory Committee had conducted an inquiry into similar allegations concerning Mr. Tocher. On that occasion the latter had attributed his difficulties to a nervous breakdown and a plea on his behalf had been made to the Committee in a letter from a Harley Street psychologist who had examined him. The Committee on that occasion decided to take no action, but informed Mr. Tocher that if they received information of a similar occurrence they would be compelled to take a more serious view of the matter.

Mr. Tocher, in a letter to the Society, asked what would happen to his wife and child if the Society struck him off the Register, as he had no trade to turn to, and was in a low medical category. His only weakness was for drink, which he had now conquered.

Committee's Decision

The chairman, giving the Committee's decision, said that the public were entitled to expect that vigilance was maintained in endeavouring to secure the standard of members of the Society as that of a respectable and honourable profession. On a previous occasion the Committee had taken a lenient view, influenced apparently by medical evidence; but what would the public think if a man guilty of such offences went on practising pharmacy? It would depreciate their reputation as an honourable and respectable profession if such a man were allowed to remain on the Register. The Committee had therefore come to the conclusion that the Registrar should be directed to remove Mr. Tocher's name from the Register, but if he mended his ways and came again to the Committee in the course of, say, two or three years, and was able to demonstrate that he had now become a respectable member of society, he might be assured that consideration would be given to any application for restoration.

Alleged Incapacity to Dispense

The Committee next considered a co plaint made against a member of Society who was, it was alleged, under influence of drink at his employer's premi during business hours while acting locum tenens, and was incapable of c pensing medicines. Mr. Cyril Morgan, inspector under the Pharmacy Act, peared as complainant. The facts of inquiry were based on a letter dated S tember 13, 1943, received by the Soci from a qualified chemist in business who e ployed the affected person as locum ten for the duration of his (corresponden holiday. It was alleged that on Septembe the affected person became drunk to s an extent that he was found at one per of the day staggering round the m street. Later a police officer had to int vene and he saw the affected person i helpless state of drunkenness at his lodgin The police got in touch with the emplo at his holiday address, and at his requ the affected person was paid off and s on to the train. The Society had co municated with the local police. Inquir were also carried out by Mr. Highfie who had interviewed members of both shop and domestic staff.

Mr. Highfield (an inspector) gave evide on his inquiries into the allegations. reported that the employer had adverti for a locum tenens and after he had ma reasonable inquiries had engaged affected person for a fortnight. The e ployer had given instructions concern the running of the business, arranging the locum to stay in his own house. September 2 he received a telegram fr an assistant asking for instructions. completed his holiday and the shop closed from September 2 to September

An assistant stated that on market d the locum went out at 11.50 a.m., say there were some oranges across the ro and that he would fetch some. He did r return until an hour later, by which ti they had had to close the shop. At abo 3 p.m. he appeared to be drunk, and 3.30 was sitting in the dispensary ask why they did not close. His speech w thick and he spilt medicine on his suit.

Mr. Morgan: Was it a fact that you not feel like handing out medicine that affected person had made up because y thought he was not in a fit state to dispen —Yes, prescriptions were handed back customers.

Mr. Morgan said the affected person had n informed of the allegations made inst him, and in a letter dated March 18 l stated that his health and age (he was rly seventy) prevented him from trying make a 500-mile journey to London. He l been qualified for forty-seven years and nearly thirty had been in business for nself; for close on ten years he had acted locum tenens without a complaint. A l aspect of the case, continued Mr. rgan, was that the pharmacist concerned, o had qualified in 1897, could not, in the linary course of events, have a very long tive pharmaceutical life in front of him, t being a locum tenens was a responsible m of employment, and it was in the terests of the public and pharmacy that y person who was in such an occupation ould conduct himself befittingly.

The chairman, announcing the decision the Committee, said that a locum tenens ould be, if anything, more rigid in adherg to his qualifications where he acted for master who had gone away for a holiday, leaving matters in the hands of a stranger, and the employer was entitled to the help of the Society and of the Committee in maintaining that members were fit persons. It was the duty of the Committee to see that they had not a man on the Register who was going to bring the pharmaceutical profession into disrepute. On the other side of the picture there was a man who had acted properly over a long period of years. The Committee had come to the conclusion that they need not go to the extreme, there and then, of ordering his name to be removed from the Register, but they most sternly rebuked him for the conduct of which he had been undoubtedly guilty. They would adjourn their decision finally for twelve months, when the matter would come up again; if the affected person could supply them with evidence as to his conduct at that time, the matter could be finally dealt with, but he must take grave notice that such things could not be tolerated and his name would come off the Register if there was any recurrence.

PHARMACEUTICAL SOCIETY OF NORTHERN IRELAND

HE monthly meeting of the Council of the harmaceutical Society of Northern Ireland as held in Belfast on March 17, the presient (Mr. J. T. Nicholl, Ph.C.) in the hair. Also present were Messrs. Charles bernethy (vice-president), James McDowell reasurer), J. E. Connor, J.P., James onaghy, J. W. Gray, J.P., James Glenrinning, and J. F. Grimes, J.P., Professor . B. C. Mayrs, M.D., Mr. John McGregor, ir T. W. McMullan, D.L., Messrs. H. F. Moore, W. C. Tate and D. L. Kirkpatrick secretary). An apology was received from Mr. James Irwin.

Approval of Examiners

The secretary read a letter from the Ministry of Home Affairs (Northern Ireland), Stormont, expressing approval of the examners whose names had been submitted to the Ministry in connexion with the Society's examinations to be held during 1944.

Gift to Society and a Grant for Classes

The secretary handed round for inspection a chemist's price list of almost 100 years of age compiled by the late Mr. Thomas Green (Grattan & Co., Ltd.), which had been presented to the Society. Mr. Kirkpatrick was instructed to send a letter of thanks in the name of the Council to the donor, Mr. Ernest Crawford. The following notice of motion in the name of Mr. James Donaghy, seconded by Mr. Abernethy, was passed by the Council: "That the Council make a grant of £10 10s. to the technical school, Enniskillen, towards the cost of conducting classes for pharmaceutical students."

Rabbit Poison Supply Scheme

The following letter from the Ministry of Agriculture, Northern Ireland, was also read by the secretary:—

> I am directed by the Minister of Agriculture to state for your information that the Ministry will operate a scheme between March 1 and August 31 under which Cymag gassing powder will be supplied at a reduced price for the purpose of gassing rabbits. Under the scheme 7 lb. of this powder will be supplied by retail chemists at 9s. per tin on production by the purchaser of a certificate signed by the County Agricultural Executive Officer. A copy of the form of certificate is enclosed, and it will be observed that the retailer claims the balance of payment at the rate of 6s. 6d. per 7-lb. tin from this Ministry. The Ministry trusts that the scheme will be availed of to the maximum extent and that substantial numbers of rabbits will be destroyed during the coming months.

New Member

Mr. Peter Joseph Mallie, Newtownhamilton, co. Armagh, was elected a member of the Society on the proposition of Mr. Donaghy, seconded by Mr. Connor.

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. CXLI APRIL 1, 1944 NO. 3347

fact that goods made of raw materials short supply owing to war conditions are ertised in this paper or described in its orial columns should not be taken as an ication that they are necessarily available export.

Presenting Penicillin

we remember rightly it was a famous ench professor who once advised his dents always to use a new drug with all ssible speed before its therapeutic pro- ties commenced to decline! Too often the past promising therapeutic develop- nts have been marred by the later dis- very of toxic after-effects or other desirable manifestations which have ndered the drug less satisfactory than was first supposed. Up to the present no such arges have been levelled against penicillin ich, on all the available evidence, appears have the properties required of an ideal tiseptic. The only real difficulty concern- the new drug seems to be one of supply, t this will undoubtedly be overcome in e course. In this connexion the statement War Memorandum No. 12, abstracts m which are given on p. 369, that "there a prospect that larger quantities [of nicillin] may shortly be available" is extremely hopeful sign, but it is evident at priority will rightly be given to the atment of battle casualties. Experience ined in the use of penicillin in war, wever, will be of the utmost practical lue when medical science returns once re to normal conditions.

From the point of view of dispensing it is evident that in penicillin we have a substance that requires a high degree of skill in manipulation. Solutions intended for injection must be prepared with strict aseptic precautions, powders must be diluted to achieve economy and an even distribution, creams must be expertly made *secundum artem*, and the substance itself, being relatively unstable, must be protected against adverse influences. In short, it would appear that the handling of penicillin, and indeed of any other drug of similar nature that may be developed in the future, will call for the use of that skill and experience which only pharmacists possess as a result of their training.

Body Synthesis of Vitamin B_1

FROM time to time a new discovery compels a change of hypothesis as to the nature and properties of one or other of the vitamins. The assumption that vitamin B_1 cannot be synthesised in the human body has, for example, suffered a rude shock as the result of researches carried out by Najjar and Holt and discussed in the "British Medical Journal" (March 4, p. 332). In studies on human vitamin deficiency, these workers devised fully synthetic diets. To nine adolescent males they gave a diet of vitamin-free casein; a proprietary vegetable fat; dextri-maltose; a mineral mixture; and adequate amounts of the known vitamins except B_1. The latter was added in gradually diminishing quantities starting with 1 mgm. and ending with 0·2 mgm., at which level it was kept for several months. Contrary to expectations, no deficiency symptoms were observed, and the experiment was therefore followed by a total omission of the vitamin from the diet. In the course of three to five weeks only five of the nine subjects showed clear evidence of vitamin B_1 deficiency, while the four who remained symptom-free had large quantities of vitamin B_1 in their stools. The explanation put forward is that intestinal bacteria synthesised the vitamin in the large intestine, from which it was absorbed. To put the theory to the test, it was decided to administer a compound possessing the property of being bacteriostatic in the intestine, and with this in view succinyl sulphathiazole

was given to one of the subjects in whose faeces vitamin B_1 was observed present. Within a week the faecal excretion fell from a level of 37–52 microgm. daily to nil, returning to its former value when administration ceased. The question of absorption from the large intestine was resolved by administering retention enemas containing vitamin B_1, the effect being a pronounced rise in the urinary excretion of the vitamin.

While it seems thus established that synthesis of vitamin B_1 can take place within a man's body, further work remains to be done to discover whether an administration of the vitamin from other sources is (*a*) necessary or (*b*) desirable. Speculation naturally arises whether, for example, traces of the vitamin administered orally are needed for the growth of the necessary bacteria, and whether the discovery that drugs of the sulphonamide group can apparently inhibit the biosynthesis of vitamin B_1 needs to be considered as limiting the use of such drugs in patients whose diets are poor in vitamin B_1, or whose food intake is for any reason restricted.

Retail Trade in 1943

ALTHOUGH the statistics of retail trade published monthly in the "Board of Trade Journal" are not of direct interest to pharmacists—the items concerned being mainly apparel, household goods, etc.—the figures form a useful general guide to the trend of distribution in this country. In a review of retail trade during the year ending January 31, 1944, the compilers state that the total value of sales reported was rather over £400 millions, or about one-fifth of the national total for goods of the kind which the review covers. Comparing sales in 1943 with those of the previous year it is pointed out that price changes have been far less important than in any earlier year since the outbreak of war, though they have been substantial for certain non-essential and unstandardised goods, particularly those subject to the increased rate of purchase tax. Total sales during the period under review have declined by 1·5 per cent. from those of the previous year, but this is explained by a fall in non-food merchandise, and a less substantial rise in most perishable g Figures of sales by areas disclose a trast between the London areas, w show increases in total sales, and provincial districts, all of which decreases. The largest decline (3·3 cent.) was recorded for the South of land; this area apparently suffered London's recovery, but sales in the fo area in the second half of the year as high as a year earlier. The review s that, despite the ground which it regained in the last two years, Lo trade still shows a considerably greate compared with pre-war than the districts, with Central London much w off than the suburbs.

C. & D. DISPENSING PRICE L

CHANGES in prices during March were and not sufficient to affect the drug i figure, which remains at 134·7. The c sponding figure for March 1943 was 1 Changes in dispensing prices of indivi items are set out below.

Cost		*Due allowance has been made for purchase tax in both cost and dispensing prices*	Dispensin price	
d.	*per*		4 oz.	1 oz.
			s. d.	*s. d.*
17	lb.	Colophonium pulv.	0 8	0 2
19	oz.	Ext. cascar. sag. sicc. pulv. ..	—	3 1
26	oz.	Ext. fellis bovinum liq. ..	—	4 2
28	oz.	Ext. fellis bovinum pulv. ..	—	4 5
12	oz.	Ext. fuci pulv. ..	—	1 11
58	oz.	Ext. ipecac. liq. ..	—	9 4
14	oz.	Ext. nucis vom. sicc. S.1 (5)	—	2 2
42	oz.	Ipecac. pulverata ..	—	7 7
23	lb.	Potassii sulphatis pulv.	0 11	0 4
45	oz.	Tr. cannabis (D.D.)	—	7 5
8	oz.	Tr. eucalypti ..	—	1 4
87	lb.	Tr. pulsatillæ ..	—	1 1
19	oz.	Ung. capsici co. ..	—	5 8
35	lb.	Ung. colophonii ..	1 6	0 6
60	lb.	Ung. ichthammol. co., B.P.C. ..	2 5	0 10
120	lb.	Ung. mentholis, 5%	—	1 5
216	lb.	Ung. methyl. sal. co.	5 0	1 5
87	lb.	Ung. methyl. sal. co. dil.	3 6	1 1
56	lb.	Ung. resorcinol., B.P.C.	2 3	0 9
50	lb.	Ung. resorcinol. co., B.P.C.	2 2	0 9

PENICILLIN FOR WAR WOUNDS

e Penicillin Clinical Trials Committee the Medical Research Council has blished War Memorandum No. 12 in form of instructions for "The Use of icillin in Treating War Wounds" M. Stationery Office, price threepence). framing the instructions the authors had their object the provision of guidance those concerned in the treatment of tle casualties with penicillin; the morandum does not pretend to be a nplete guide to the various clinical plications of the new antiseptic which now known to be useful, but is aimed y at giving simple instructions for the atment of wounds and for the laboratory rk by which such treatment should be ntrolled. The Committee recommends it the instructions given in the Memoidum should be regarded as provisional d liable to modification from time to ne as further data accumulate and pplies of the drug become available for ore extensive use. The following inforation of particular interest to chemists s been abstracted from the Memoidum:—

operties of Penicillin

Natural penicillin is an organic acid, and e preparations used in therapeutics are calcium and sodium salts. The calcium lt, as at present prepared, is not recomended for intramuscular injection, but suitable for local treatment including trathecal injection. The sodium salt is ed for systemic administration, but it ay be applied locally in solution if the lcium salt is not available. Penicillin, as pplied at present, contains only about –20 per cent. of actual penicillin. It is relatively unstable substance and should e stored in a sealed container, if possible a refrigerator. It is also decomposed y acids and alkalis, by metallic salts and y alcohol, and should not be brought into ntact with antiseptics unless they are nown to be compatible. Many bacteria roduce a ferment, penicillinase, which estroys it.

The Memorandum gives a list of the rincipal micro-organisms which are susceple and insusceptible to the action of the rug. The susceptible group includes gramsitive cocci (*Staphylococcus aureus, Strepcoccus pyogenes*, other streptococci except nterococcus, *Pneumococcus*); *Clostridia Cl. welchii, Cl. septicum, Cl. œdematiens, l. tetani*); *Neisseria* (*N. gonorrhoeæ, N. meningitidis*); miscellaneous (*B. anthracis, Actinomyces bovis* (variable), *C. diphtheriæ*). The insusceptible group, or those insufficiently susceptible to justify treatment with penicillin, includes *Proteus*; *Ps. pyocyanea*; the coli-typhoid-dysentery group; *Pasteurella* and *Brucella*; all species of *Hæmophilus*; *Streptococcus fæcalis* (enterococcus); *Myco. tuberculosis* (tubercle bacillus).

Dispensing

The Committee advises that solutions of penicillin intended for injection should be prepared with aseptic precautions by personnel with bacteriological training and experience. The following are the three principal forms in which penicillin is used.

Solutions.—To prepare solutions for local application, a stock solution of 1,000 units per c.c. in sterile distilled water should be made with all precautions to maintain sterility. A dry sterile spoon and dry sterile forceps should be used in transfering the penicillin tablet from its tube into the sterile distilled water. The tube should be carefully resealed after removal of each tablet. Stock solutions should be stored in an ice chest at 0° to 4° C., and should not be used later than fourteen days after preparation, without further assay. Dilute solutions (250 units per c.c.) for use in the wards should be prepared from stock solution and issued in amounts sufficient only for a single day's needs. These solutions also should, if possible, be kept in an ice chest when not in use. Great care must be taken to avoid bacterial contamination of all solutions, since this may destroy their potency. For intramuscular injection, sodium penicillin is dissolved in a small quantity of sterile distilled water—e.g., 15,000 units can usually be dissolved in 2·5 c.c. If administration is to be by continuous intravenous drip, the requisite amount of such a solution is added to a bottle of isotonic glucose or saline. Strict aseptic precautions are necessary.

Powders.—When penicillin is to be used in powder form, it must be diluted, to achieve both economy and even distribution. A satisfactory diluent is sulphanilamide containing 5 per cent. light magnesium oxide. (The latter addition is necessary to obtain a fine powder.) Sulphathiazole may also be used. Such an amount of calcium penicillin as to give the required concentration for the final product must be weighed aseptically (unless in tablet form),

added to a weighed amount of sterile sulphanilamide and ground with it in a sterile mortar. Various concentrations from about 500 to 5,000 units of penicillin per gram of powder are used for different purposes (the lower strengths for the treatment of burns, the greater for wound prophylaxis).

Creams.—For the treatment of burns and other superficial wounds, as well as for various skin infections, it is often desirable to apply penicillin in a semi-solid base from which it is liberated slowly. For this type of preparation, a base consisting of equal parts of Lanette wax SX, soft paraffin and water has been used. These are autoclaved together, and if the preparation is shaken during the later stages of cooling, it forms a homogeneous cream. A concentrated solution of calcium penicillin in sterile distilled water is added to this, in such quantities as to give a penicillin content in the final product of 200–400 units per gram. If the cream and solution are stirred together with a sterile rod or spatula, uniform admixture takes place readily. A second cream, which is rather more fluid, can be absorbed by gauze and may be used for packing wounds. It has been made of Lanette wax SX 12 parts, arachis oil 25 parts, and water 55 parts, with penicillin powder added to give a strength of 250 to 1,000 units per gram. A th cream base consists only of 30 per ce Lanette wax SX in water. This was devi because some recent samples of s paraffin have proved irritant. The requi amounts of Lanette wax and water heated to 40° C. The water is slowly mi into the wax in a mortar, and stirring continued until the mixture is almost co This usually takes about ten minutes, wh a smooth cream is formed. The emuls is then autoclaved at 20 lb. pressure twenty minutes. When it has cooled to ab 40° C., the correct amount of calci penicillin, dissolved in a few c.c. of ste distilled water, is added and thoroug mixed. These cream preparations are stable and should be used within one we

The Memorandum gives precise instr tions on methods of administration, incl ing local application and systemic admi tration. The use of penicillin in particu types of wounds is also dealt with considerable detail. Surface wounds, a burns, soft tissue wounds, gas gangre compound fractures, wounds in the che head injuries, wounds of the eye and wou of the abdomen are also dealt with. chapter is devoted to laboratory procedu and the pamphlet concludes with a valua list of selected publications and memoran on penicillin.

PHARMACEUTICAL SOCIETY OF IRELAND

The Council of the Pharmaceutical Society of Ireland met in Dublin on March 14, Mr. C. J. Cremen (president) in the chair. Other members of the Council present were Messrs. J. K. Whelehan, P. C. Cahill, M. J. Kieran, H. P. Corrigan, T. B. O'Sullivan, and T. C. Scott; Sir Thomas Robinson; Messrs. J. Gleeson, D. W. P. Boyd, P. Brooke-Kelly, M. Costelloe, E. MacSweeny, A. R. Lester, W. Cunningham, and J. A. O'Rourke.

Pharmacopœial Changes

A communication was received from the British Pharmacopœia Commission notifying changes affecting the preparation of liquid extract of belladonna leaf and liquid extract of belladonna. Where liquid extract of belladonna is prescribed or demanded, liquid extract of belladonna leaf may now be dispensed or supplied.

The Senate Returning Officer wrote acknowledging the intimation that the president, with Messrs. Whelehan and Cahill, had been appointed on the Senate Nomination Committee.

Registration and Membership

The following changes of name in t Register on marriage were granted : M K. F. Tolland, L.P.S.I. (*née* Campbel Mrs. Jane Nuala Hill, L.P.S.I. (O'Donnell); Mrs. Amy Patricia Ega L.P.S.I. (*née* Kellett). The name of M Martin O'Brien was restored to the Regist of Registered Druggists. The followi changes of address were notified: Mr. J. Doyle, M.P.S.I., 3 Vernon Avenue, Clonta Dublin; P. J. Sweeney, M.P.S.I., to Ellis Quay, Dublin; Mrs. A. P. Ega L.P.S.I., to 138 Furry Park, Rahen co. Dublin; Mrs. T. Ferris, L.P.S.I., Kenyon Street, Nenagh; Mrs. J. N. Hi L.P.S.I., to Kilmacthomas, co. Waterfor M. D. McDonagh, L.P.S.I., Castle Stree Oldcastle, co. Meath; O. J. O'Callagha L.P.S.I., to The Modern Pharmacy, Wate ville, co. Kerry; Mrs. K. F. Tollan L.P.S.I., to 12 Marina Park, Castlereag Belfast; W. E. Williamson, L.P.S.I., Arva, co. Cavan. Messrs. E. Buckle J. Dunphy, P. Fitzgibbon, J. V. Kerr, ar M. J. O'S. Kelliher were elected membe

he Society. The following were nomina- for membership: Messrs. J. J. Doyle, ntarf; P. Fitzgibbon, Mitchelstown, Cork; J. J. Forristal, Carndonagh, Donegal; W. P. Sullivan, Thomastown, Kilkenny; J. V. Tobin, Urlingford, Kilkenny; and W. E. Williamson, 'a, co. Cavan. The Licence certificate John James Forristal was signed and led.

'he following were granted Preliminary istration: Misses A. A. M. Browne, P. Cashell, P. Feehan, M. Fleming, E. Gavaghan, M. M. Gibbons, V. Kava- h, C. F. P. Leahy, E. T. Lenihan, C. Roche; Messrs. J. A. McGahan, n Roche, T. F. Caslin, T. F. Gannon, Hardiman, T. J. G. Kelly, D. J. O'Connell E. O'Doherty, and T. A. O'Donnell.

prentices Per Employer

MR. O'ROURKE said details should be en with applications of the person each prentice was indentured to, and how ny apprentices that person had already. e Society should use its powers to get er people with three and four apprenes. Members had social and other ponsibilities towards their colleagues in profession, and a small minority of ty or fifty who had far more apprentices n they should have ought not to be owed to get away with it. He suggested line of action they could follow with ard to these people. THE REGISTRAR r. J. J. Kerr) said entries were made in book of the names of the employer and number of apprentices kept. THE ESIDENT pointed out the difficulties that isted in following out the policy proposed Mr. O'Rourke.

MR. O'ROURKE said it was not fair to ing young men and women into pharmacy less they were given a chance of a reasonle livelihood. Any steps they could take end this apprenticeship abuse, provided ey were legal, would be justified. At esent they had some 140 people coming to pharmacy each year, and in parts of e country there were pharmacies which d three and four apprentices. SIR T. OBINSON suggested that, when the Restrar was getting the certificate signed by e employer, he should obtain information to whether the employer had more than o apprentices. THE PRESIDENT said they d no legal power to do that.

SIR T. ROBINSON: You are taking legal ower for other things. Why cannot you ke legal powers for that?

MR. O'ROURKE: I think we have powers that can be used directly.

THE REGISTRAR said the Minister for Justice had already turned down as *ultra vires* a regulation to limit the number of apprentices. THE PRESIDENT said he was in entire agreement with Mr. O'Rourke's views on the apprenticeship question, but the suggestion he made was not possible.

MR. KIERAN: I sympathise with Mr. O'Rourke.

THE PRESIDENT suggested that Mr. O'Rourke should put down a notice of motion on the matter for a future Council meeting, when it could be fully discussed, and MR. O'ROURKE agreed to do this.

The report of the House Committee was submitted and approved. The Council, in committee, considered the remaining sections of the Consultative Committee's report on control of the wholesale sale of drugs, training of chemists for manufacturing pharmacy, and protection of titles. THE REGISTRAR reported on the deaths of Messrs. W. J. Maxwell, L.P.S.I., Fawcett Maxwell, L.P.S.I., and Samuel Hill, R.D.

On the motion of THE PRESIDENT, seconded by MR. WHELEHAN, Messrs. D. Warwick and J. K. Carvill were re-elected examiners to the Assistants' examination.

Poisonous Seed Dressing

When "other business" was reached MR. WHELEHAN drew attention to the use of a dressing for wheat, oats, and other cereals which was of a very poisonous character. The dressing was made up of ethylmercuric chloride and should be handled with the greatest care. From war necessities the preparation was put up in paper containers, which could easily be broken and the poison scattered loosely about. He suggested that the Royal College of Physicians should be asked to have the preparation put on the poisons schedule. The Council concurred with Mr. Whelehan's suggestion, and instructed the registrar to bring the matter to the notice of the Royal College of Physicians with a view to having the preparation scheduled. Subsequently a meeting of the Benevolent Fund Committee was held, and certain grants were passed for payment.

CLOSED ON SATURDAYS.—Advertisers and subscribers are reminded that owing to war conditions the Head Office of THE CHEMIST AND DRUGGIST, 28 Essex Street, London, W.C.2, is closed on Saturdays until further notice. Urgent instructions relating to advertising and subscriptions should be sent to the *C. & D.*, 17 Argyle Street, Bath, Somerset.

REPORT ON EXAMINATIONS

THE report by the Privy Council Visitor on the examinations held by the English Board of Examiners of the Pharmaceutical Society of Great Britain in 1943 has recently been issued. The following are the main points of the report:—

I have the honour to report that during 1943 I have visited all the centres at which the Society's examinations have been conducted, namely Cardiff, Nottingham, Manchester and Brighton. At these centres the Intermediate and Chemist and Druggist Qualifying examination are conducted quarterly. In addition, the higher qualification of Pharmaceutical Chemist is held in January and July at Cardiff. In January 1943 I visited Brighton and was able to see both the Intermediate and final examinations for the Chemist and Druggist examination. In April 1943 my visit was to Nottingham, where both parts of the Chemist and Druggist examination were being held. It was my intention in July to inspect the examination for Pharmaceutical Chemist at Cardiff, but owing to the difficulties of travel (just before the Bank Holiday) I was compelled to abandon this visit. I was, however, able to see, earlier in July, the examinations for the Chemist and Druggist qualification. The autumn examinations at Manchester and Brighton were inspected when both parts of the Chemist and Druggist qualification were in progress.

Two Examiners Should be Present

I am happy to say that at all these examinations I found everything to my satisfaction, and that the conduct and organisation of the arrangements were excellent, with the exception of a general principle which I will now discuss. During my inspections I have noted that on some occasions two examiners have been in attendance, at others only one. I am informed that this is in accordance with a practice in operation before the war. For the Chemist and Druggist final examination the ratio was one examiner for eight candidates at each session; for the Intermediate examination the ratio was one examiner for eight candidates in physics and one examiner for twelve candidates in botany, zoology and chemistry per session. This, of course, means that the number of examiners in attendance depends upon the number of candidates presenting themselves. It is now an established practice at almost all Universities to appoint at least two examiners, often one external one internal, to be present, so that candidate's work can be independe assessed. Such an arrangement is desir particularly in cases where practical e cises are set and have to be inspected, also where oral (*viva voce*) tests are pu the candidate. The principle, perhaps less important where, in practical ex inations, a written script is handed (e.g., chemistry practical) provided t the script is available to a second exami It is the experience of those who h conducted examinations that candid fall roughly into three groups. There those whose success is never in doubt those whose failure is never in quest These present no difficulty.

Borderline Cases

The third group are the borderline ca —often a considerable proportion—wh a few marks mean success or failure. these cases consultation between examiners may materially assist in do full justice to the candidate, and at same time in ensuring the maintenanc an adequate standard. War-time d culties, including travelling, are mat which are uppermost in these considerati at the present time, but I venture to sug that the principle of two examiners be present is one which might well be c sidered by the Society, a practice wh as I have said, is now generally adopted most examining authorities.

Your Lordships will remember that y Visitor for Scotland in his report for 1 had occasion to refer to criticisms wh had been made of the physiology sylla for the Chemist and Druggist examinati and he also expressed the view that biology syllabus was capable of impro ment. In my report for 1942 I commen upon the high percentages of failure biology and suggested that the ma should receive consideration by the Socie I am happy to be able to record tha revised syllabus in physiology has b completed, and that the examiners in t subject, I am given to understand, satisfied that it is adequate. The biol syllabus has been examined, and I und stand that a new syllabus is being prepa At the time of writing this report I h not seen either of the proposed new s labuses. It will be recalled by y Lordships that in February 1942 you g permission to the Society to m

fications in the syllabuses without first ning the sanction of the Privy Council. s requested by your Clerk to report at if, in my opinion, any change was open to ism. To date no change has been made h can affect the conduct or efficiency of the inations in an adverse manner.

rmediate

Whole Examination	*Number*	*Percentage*
lidates examined	366	
lidates who passed ..	144	39·35
lidates who failed ..	222	60·65
e *"Referred" Subject only*		
lidates examined	150	
lidates who passed ..	96	64
Rejected Candidates		
ed in:		
ology and chemistry ..	29	
ology, chemistry and physics	65	
ology and physics ..	23	
hemistry and physics ..	14	
rred in:		
iology	85	
hemistry	25	
hysics	35	
Total	276	

mist and Druggist Qualifying

Whole Examination	*Number*	*Percentage*
didates examined	300	
didates who passed ..	105	35
didates who failed ..	195	65
e *"Referred" Subject only*		
didates examined	97	
didates who passed ..	66	68·04
Rejected Candidates		
ed in:		
harmacognosy and pharmaceutics	3	
harmacognosy, pharmaceutics and physiology ..	3	
harmacognosy, pharmaceutics, physiology and pharmaceutical chemistry	13	
harmacognosy, pharmaceutics, physiology, pharmaceutical chemistry and forensic pharmacy ..	13	
harmacognosy, pharmaceutics and pharmaceutical chemistry	15	
harmacognosy, pharmaceutics, pharmaceutical chemistry and forensic pharmacy	7	
harmacognosy, pharmaceutics and forensic pharmacy	1	
Pharmacognosy and physiology	3	
Pharmacognosy, physiology and pharmaceutical chemistry	6	
Pharmacognosy, physiology, pharmaceutical chemistry and forensic pharmacy ..	2	
Pharmacognosy and pharmaceutical chemistry ..	19	
Pharmacognosy, pharmaceutical chemistry and forensic pharmacy ..		
Pharmacognosy and forensic pharmacy	3	
Pharmaceutics and physiology	2	
Pharmaceutics, physiology and pharmaceutical chemistry	4	
Pharmaceutics, physiology, pharmaceutical chemistry and forensic pharmacy ..	2	
Pharmaceutics, physiology and forensic pharmacy ..	2	
Pharmaceutics and pharmaceutical chemistry ..	14	
Pharmaceutics, pharmaceutical chemistry and forensic pharmacy	5	
Pharmaceutics and forensic pharmacy	1	
Physiology and pharmaceutical chemistry	1	
Physiology, pharmaceutical chemistry and forensic pharmacy	1	
Physiology and forensic pharmacy	1	
Pharmaceutical chemistry and forensic pharmacy ..	3	
Referred in:		
Pharmacognosy	2	
Pharmaceutics	33	
Physiology	5	
Pharmaceutical chemistry..	55	
Forensic pharmacy.. ..	5	
	226	

Pharmaceutical Chemist

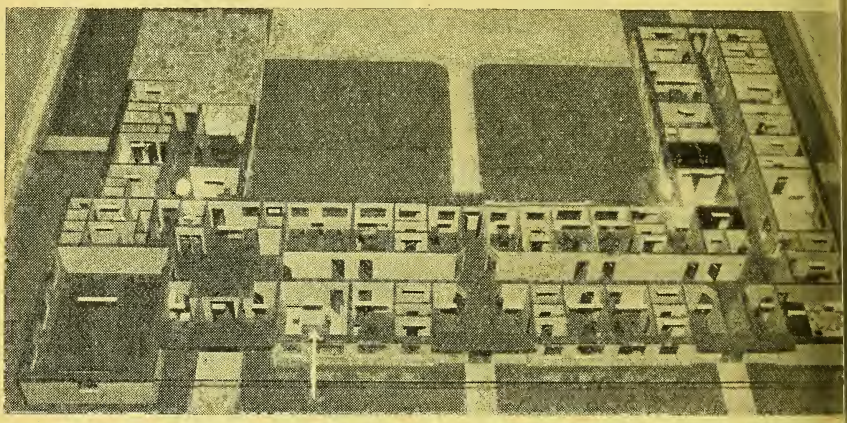
	Number	*Percentage*
Candidates examined	54	
Candidates who passed ..	33	61·1
Candidates who failed.. ..	13	24·1
Candidates "referred" in one subject	8	14·8

"Pay-as-You-Earn" Booklet.—A guide to the new system of deducting income tax from wages has been published by H.M. Stationery Office, price threepence.

NATIONAL HEALTH EXHIBITION

An exhibition to illustrate the essential features of the White Paper on a National Health Service was opened at Charing Cross Underground Station, London, on March 28, by Mr. Henry U. Willink, the Minister of Health. In his opening speech, the Minister explained that this Health Scheme was planned with the object of making it complete and available for all, not only to mend bad health but to create and keep good health. The scheme was not to be thought of as a free and charitable service, for the people were going to pay for it by rates and taxes and by the introduction of a social insurance policy. This being so the Minister of Health, with the help of the Minister of Information, had adopted the idea of an exhibition to interest the people in the project they would pay for and in the hope that they would suggest ways and means of improving the scheme, which was still in process of being developed. Whilst general acceptance of the principles had been obtained, discussions were still necessary with the various professions—doctors, pharmacists, nurses, etc.—who would carry out the work, as well as with the local authorities and voluntary hospitals.

The exhibition is a small one, mostly of pictures of medical treatment and showcards giving details of the many points considered in the scheme and the costs, and where the money is to come from. S e of the pictures are hardly in accord e with the methods suggested by the Me al Research Council for combating c s- infection, the *bête noire* of hospital prac e.



Model at National Health Exhibition, Charing Cross, London, opened by the Minister of Health on March 28, sh g what a Health Centre could be like. It has waiting and consulting rooms for each doctor; laboratory; roo r simple surgery; room for eye cases, and many others. Each doctor practising at a Health Centre sees his pa ts in a self-contained suite of rooms, but has the help of the nursing, clerical and other staff, and the benefit of diag c and treatment services provided at the Centre for the common use of all the doctors practising there. One e rooms in the model is labelled "Dispensary" (shown by arrow).

The chief exhibit is a small model, i s- trated above, of a suggested arra - ment for a Health Centre with a sta f eight doctors, each with his own - contained suite where he can interview s patients as in his own surgery but with e help of the nursing staff and the be t of the diagnostic and treatment serv s provided. The model also shows a de l room, sterilising rooms, one for eye, n and ear cases, a laboratory, a simple sur and a small room marked "Dispensa The whole is not intended as the final fo which will be decided after consideratio suggestions and criticisms.

Synopsis of the British Pharmacop 1932, and Addenda.—W. Wippell Ga 4¼ in. by 2¾ in. Pp. 228. 3s. 6d. Bailli Tindall & Cox, 7 Henrietta Street, Lon W.C.2. This little book has now reac its fourteenth edition, an indication of great popularity with successive gen tions of students and pharmacists. present volume is brought up to date the addition of the six Addenda to Pharmacopœia and by revision of the tion on poison laws to meet recent Orde

TRADE REPORT

quotations for pharmaceutical chemicals, crude drugs and essential oils represent prices for wholesale quantities of standard quality. C.i.f. quotations do not include ine war risk insurance and other abnormal charges payable in the present emergency

28 Essex Street, W.C.2, March 29

ERY little doing" is the usual answer this k to inquiries from dealers in the London g and chemical markets. Business, al- igh small, has been reasonably steady, prices continue to show a firm tendency, n only a few minor movements to record. re is practically no alteration to report he PHARMACEUTICAL CHEMICALS section, business in some products continues ricted on account of supply difficulties.

de Drugs

hese markets have remained fairly ady throughout the week, with business lest in amount. One or two items show ll changes in values, but on the whole e alterations have been few. A small iness is reported in AGAR at the price d by the Control of Agar (No. 1) Order, such sales are of little interest to the rkets. Curaçao ALOES is in rather short ply on spot, while Cape is unobtainable. LSAMS are unchanged, with spot supplies TOLU awaiting replenishment. BENZOIN selling slowly at unchanged rates for rmaceutical purposes. CARDAMOMS con- ue neglected. CASCARA SAGRADA is in d demand. CHILLIES and other spice ducts are dull, with no changes in quoted ues, and business generally restricted ing to paucity of supplies. COCHINEAL is hausted. There are sellers of COLOCYNTH a fraction under the last-mentioned ire. Spot supplies of ERGOT continue tricted, but no price movement is re- ded. GUM ACACIA is meeting with a derate demand. Information on IPECAC- NHA is lacking: no spot supplies are ailable, and the forward position is scure. Some Russian LIQUORICE ROOT y be purchased for pharmaceutical re- irements. Supplies of MENTHOL are coming increasingly difficult to locate, d sales during the past week were con- ed to odd tins and cases. RHUBARB con- ues to attract a fair amount of attention; ot stocks are not plentiful, and the price maintained. A few odd lots of SARSA- RILLA are still available. Fatty grey RNAUBA WAX is 10s. per cwt. dearer on ot, and a more substantial rise is recorded r chalky grey; shipment prices are un- tered in both instances.

Essential Oils

No price movements have occurred in this section during the week, though figures described in some quarters as "very high" are being asked for small remaining lots of unrestricted essential oils. With the exception of the recently-noted advance in West Indian distilled LIME, no changes have occurred for some time in the prices of controlled oils. Fixed oils are steady at controlled prices for bulk supplies.

Pharmaceutical Chemicals

ACETANILIDE.—Crystals are offered at 2s. 5d. per lb., and powder at 2s. 6d.

AMPHETAMINE.—Makers continue to quote at approximately 150s. per lb.

BORIC ACID.—Makers' quotations are unchanged: B.P. granulated, £60 15s. per ton; crystal, £61 15s.; powder, £62 15s. Packed in one-cwt. bags, delivered carriage paid in Great Britain, in one-ton lots and upwards. Commercial grades, £8 per ton less.

CITRATES.—Makers' quotations for POTASSIUM, B.P., are at the following prices per lb. (containers in brackets): 3s. 2½d. (1-lb.); 3s. 1d. (4-lb.); 3s. (7-lb.); 2s. 11½d. (14-lb.); 2s. 11d. (28-lb.). IRON and AMMONIUM (SCALES), B.P., is at 3d. per lb. above, and SODIUM is at 1d. per lb. below, these prices.

CREAM OF TARTAR.—British makers quote at 262s. per cwt., less 2½ per cent. discount.

DEXTROSE.—Current prices per lb., in lots of 28 lb.–1 cwt., are as follows (containers in brackets): 1s. 2¼d. (1-lb.); 1s. 1¼d. (2-lb.); 1s. 0¾d. (4-lb.); 11¾d. (7-lb.); 11¼d. (14-lb.); 10¾d. (28-lb.).

GLUCOSE.—Powdered monohydrate for bulk home trade, in lots of 28 lb.–1 cwt., is quoted per lb. as follows (containers in brackets): 10d. (28-lb.); 10½d. (14-lb.); 11d. (7-lb.); 1s. (4-lb.); 1s. 0½d. (2-lb.); 1s. 1½d. (1-lb.).

HOMATROPINE.—Makers' prices per oz. are as follows (prices per gram in brackets): ALKALOID, 1 oz., 97s. 6d.; 4 oz., 92s. 6d.; 16 oz., 87s. 6d. (6s.). HYDROCHLORIDE, HYDROBROMIDE and SULPHATE, 1 oz., 75s.; 4 oz., 90s.; 16 oz., 65s. (3s. 2d.).

PHENOLPHTHALEIN.—Makers' prices are steady as follows: Less than 7 lb., 4s. 6d. per lb.; 7 lb., 4s. 5d.; 14 lb., 4s. 4d.; 28 lb., 4s. 3d.; 1 cwt., 4s. 2d.

PILOCARPINE.—Makers quote at the following rates per oz.: Base, 1 oz., 27s.; 4 oz., 21s. 3d.; 8 oz., 20s. 9d.; 25 oz., 20s. 3d.; NITRATE, 1 oz., 18s. 6d.; 4 oz., 18s.; 25 oz., 17s. 6d.

POTASSIUM PERMANGANATE.—B.P. grade is quoted by makers at 1s. 10d. per lb.

SANTONIN.—Home-trade prices are as follows: 10 kilos and over, £62; not less than 5 kilos, £63; 2–4 kilos, £64; 1 kilo, £65; 500 gm., £66; 560 gm., £67; 100 gm., £68; less than 100 gm., £69 per kilo. Carriage paid in United Kingdom.

STRYCHNINE SALTS.—Makers' prices are as follows:—

Compound	Under 25 oz.		25 oz. and under 100 oz.		100 oz. and under 500 oz.	
	s.	d.	s.	d.	s.	d.
Alkaloid, crystalline ..	5	8	5	6	5	4½
Alkaloid, precipitated..	5	8	5	6	5	4½
Acetate	5	11	5	9	5	7½
Arsenate	5	11	5	9	5	7½
Arsenite	5	11	5	9	5	7½
Bisulphate	4	10	4	8	4	6½
Hydrochloride	5	5	5	3	5	1½
Hypophosphite ..	9	2	9	0	8	10½
Nitrate, crystalline ..	5	5	5	3	5	1½
Nitrate, powder ..	5	5	5	3	5	1½
Nitrate, powder, No. 2	4	8	4	6	4	4½
Phosphate	6	8	6	6	6	4½
Sulphate, neutral, cryst.	5	0	4	10	4	8½
Sulphate, neutral, powder	5	0	4	10	4	8½
Sulphate, neutral, powder, No. 2	4	5	4	3	4	1½

Terms and conditions are unaltered.

SULPHANILAMIDE.—Prices range from 10s. 6d. to 11s. per lb., according to quantity.

TERPINEOL.—For medicinal use, from 3s. 3d. to 4s. per lb., for B.P.C. quality.

VANILLIN.—Current rates per lb. are as follows: 5 cwt., 21s. per lb.; 1 cwt., 21s. 3d.; 56 lb., 21s. 6d.; less than 56 lb., 21s. 9d.

Crude Drugs

AGAR.—Some small business is reported at the controlled price of 30s. per lb.

ALOES.—Curaçao is scarce on spot; the last forward price was 295s. per cwt., c.i.f. Cape is not available on spot and forward quotations are difficult to obtain.

AMMONIACUM.—Spot supplies of ordinary drops may be had at 2s. per lb.

ANTIMONY. English minimum 99 per cent. regulus is unchanged at £120 per ton, delivered, for essential purposes only; 70 per cent. crude, for the home trade, £100 per ton, delivered.

ARECA NUTS.—Dealers can supply at 115s. per cwt., ex store.

BALSAMS.—No spot supplies are available of *Tolu* or *Copaiba*. *Peru* is steady on spot at 8s. 3d. per lb., and *Canada* at 10s. 6d.

BELLADONNA —Indian leaf testing 0·4 per cent. may be purchased on spot at 5s. 3d. per lb.; Indian root, testing 0·49 per cent., 500s. per cwt.; 0·36 per cent., 330s.

BENZOIN.—Slow of sale for pharmaceutical purposes. Sumatra block, about £25 per cwt.; free "almonds," from £35.

CAMPHOR.—Small quantities are available to approved buyers at the following prices: Chinese crude, 10s. per lb.; B.P., 11s. 6d.

CARDAMOMS.—No change to record, co tions remaining on a steady basis. Aleppy gre spot, 5s. 6d. per lb.; Aleppy seed, 6s. 6d.; seed, 5s. 6d.

CASCARA SAGRADA.—In good demand price at 260s. per cwt. A little is reported a which will probably come out somewhat chea

CHAULMOOGRA.—*Hydnocarpus*, spot, 1s. per lb., in tins in cases.

CHILLIES.—Dull conditions prevail, wit change in quotations. Mombasa, spot, 1 per cwt., sellers.

CLOVES.—Zanzibar, spot, 1s. 2d. per sellers; second-grade, to arrive, 10d. per c.i.f., sellers.

COCHINEAL.—No more blacks can be hac spot at present.

COCONUT (DESICCATED).—Maximum of price continues at 49s. per cwt.

COLOCYNTH.—Sellers of fine white pulp spot at 2s. 10½d. to 3s. 1½d. per lb.

DIGITALIS LEAVES.—Portuguese leaves available at 135s. to 140s. per cwt., accordin holder, and English-grown at 2s. 6d. per lb

DRAGON'S BLOOD.—The only variety a able at present would be Zanzibar drop, which £21 per cwt. would be required, supplies are meagre.

ERGOT.—Spot supplies are restricted; unchanged at from 6s. 3d. to 6s. 6d. per lb.

GUM ACACIA.—In good request at unchan prices: Kordofan cleaned sorts, 80s. per c bleached, shipment, 140s., c.i.f.; Talha, clea 50s. per cwt., landed.

HENBANE.—Indian leaf, spot, 250s. to 2 per cwt., according to holder, with some testing material at 1s. 3d. per lb. Russian is available at 3s. 6d. per lb.

IPECACUANHA.—No change has occurre the supply position. Current prices of I IPECAC. LIQ. are as follows: Winchesters, E 1932, under three, 32s. 6d. per lb.; three under six, 32s.; six and under twelve, 31s. twelve and over, 31s.; B.P., 1914, under th 30s. 6d.; three and under six, 30s.; six under twelve, 29s. 6d.; twelve and over, per lb.; all prices quoted are on a net basi

JALAP.—Spot supplies are restricted. S lots of Brazilian root (13 per cent. resin) ma obtained at from 175s. to 200s. per c according to seller.

KAMALA.—Material with ash under 6 cent. would cost 1s. 9d. per lb.

LIQUORICE ROOT.—Russian root, for phar ceutical purposes, 85s. per cwt. Single-pe Syrian, spot, 110s. per cwt., subject to D. approval.

MENTHOL.—Supplies are becoming n difficult to find. Odd tins seem to be sellin spot at 120s. per lb., and cases at 125s.

MERCURY.—Official spot quotations ra from £68 10s. to £69 15s. per flask, accor to conditions and quantity, with higher r for smaller lots and redistilled grades.

RRH. —Aden sorts, steady on spot at £20 wt.

TMEGS.—West Indian, spot, wormy and n, 1s. 4½d. per lb.; sound unassorted, ½d.

X VOMICA.—Cochin on spot would be worth per cwt.; shipment, 35s. per cwt., c.i.f.

ANGE PEEL.—Supplies are unobtainable ot.

PPERS.—Maximum prices of whole, not d over or cleaned, on sale to processors, 1s. 4d. per lb. for white, and 1s. per lb. for , both duty paid.

MENTO.—Sellers on spot at 1s. 5d. per lb.; nent prices are not quoted.

ILLAIA BARK.—Crushed or cut, spot, 90s. wt.; natural, 75s., shipment, 55s., c.i.f.

IUBARB.—Spot price of rough-round re- s at 9s. per lb., and that of flat high-dried . 3d. Shensi is not available.

RSAPARILLA.—A few odd bales of native red be had on spot at 4s. 6d. per lb.

EDS.—All descriptions of imported seeds quiet, with no price changes. Current rates CORIANDER—Indian, 80s. per cwt. CUMIN. altese, spot, 110s.; Indian, 105s. DILL.— ., ex wharf. FENNEL.—Offered at 85s. UGREEK.—May be had at 80s. MUSTARD.— rolled prices are unchanged.

ENNA.—Alexandrian medium pods are at per lb.; Tinnevelly, manufacturing grade, to 6½d.; hand-picked, 8½d. to 1s.; broken andrian leaves, 1s. 3d. to 1s. 4d.; siftings, d.; Tinnevelly, No. 1, 9d. to 10½d.; No. 2, to 7½d.; No. 3, 5½d. to 6d.

QUILL.—Portuguese bulb is quoted at 75s. cwt. on spot, and Indian at 70s.

RAGACANTH.—The principal medium grades quoted as follows: No. 1, white, £130 per .; No. 2, white, £115; No. 3, white, £100; 4, white, £85; pale leaf, £60; amber leaf, ; dark amber, £40; brown leaf, £30; red- -brown leaf, £25; red leaf, from £20; gy, £12 to £15.

URMERIC.—Madras finger, sound-quality, t, 52s. 6d. per cwt., London; 50s., Liverpool; . 6d., Glasgow.

VAXES.—BEES'.—Supplies may be obtained y through members of the Association of rchant Distributors of Beeswax; official es are as follows: Crude, 260s. to 290s. per .; refined, 315s. to 355s.; bleached, 340s. 370s.; Calcutta crude, 250s. to 270s.; cutta bleached, 325s. to 335s. CARNAUBA.— ty grey, dearer at 435s. per cwt., ex store, minimum one-bag lots; shipment, 385s., f.; Primeira, 535s. per cwt., ex store, with cks scarce; medium yellow, 527s. 6d. per t.; chalky grey, 425s. per cwt.; shipment, 5s., c.i.f. (c.i.f. prices include ½ per cent. R.I.). CANDELILLA.—As noted recently, ces have been reduced as follows: Under on, 235s. per cwt.; 1–5 tons, 232s. 6d.; 5 ns and over, 230s., ex store; forward, 225s. cwt., c.i.f.

Essential and Expressed Oils

ANISE (STAR).—A price of 145s. per lb. has been mentioned for odd cases of this oil on spot.

CAJUPUT.—Supplies are restricted; spot, if available, about 15s. per lb.

CASTOR.—Controlled price for bulk lots is £92 per ton for firsts and £90 for seconds, both naked ex works.

CINNAMON.—Leaf oil, spot, if available, approximately 15s. 6d. per lb.

CLOVE.—English distillers' prices for genuine B.P. oil are unchanged at 11s. 6d. to 12s. per lb., according to quantity.

COCONUT.—Bulk supplies of refined deodorised are officially quoted at £49 per ton, and refined hardened deodorised at £53, both naked ex works.

COTTONSEED.—Controlled prices for bulk supplies are as follows: Crude, £52 2s. 6d.; washed, £55 5s.; refined edible, £57; refined deodorised, £58 per ton; all varieties quoted naked ex works.

GERANIUM.—Spot price of genuine North African oil is from 85s. to 90s. per lb., according to quantity.

GROUNDNUT.—Controlled prices for bulk supplies are as follows: Refined deodorised, £58 per ton; refined hardened deodorised, to 40°, £62; refined hardened deodorised, to 50° to 52°, £63; all naked ex works.

NUTMEG.—English distillers' quotation remains at 40s. per lb., with lower rates for quantities.

RAPESEED.—Bulk supplies are officially quoted at £70 per ton, naked ex works.

Controlled Essential Oils.—The following is the current schedule of prices for controlled essential oils. Prices are per lb., for oils delivered to consumer in original packages.

Lemon, cold-pressed	18s. 10½d.
Lemon, distilled ..	14s. 4d.
Peppermint	36s. 4d.
Grapefruit	18s. 2d. (incl. duty)
Sassafras	11s. 3¼d. (plus 1s. duty)
Caraway	20s. 4½d. (plus 1s. 10d. duty)
Wormseed	15s. (plus purchase tax where payable)
Cedarwood	3s. 1d. (plus 3d. duty)
Nutmeg	22s. 3d. (plus 2s. duty)
Fennel	11s. 3½d. (plus 1s. duty)
Coriander, Russian ..	127s. (plus 11s. 6d. duty)
Geranium, Bourbon	25s.
,, (Ministry oil)	24s. 6d.
Orange oil, Jamaica	23s. 6d.
Vetivert	37s. 7d. (plus 3s. 5d. duty)

As noted recently, the price to the user of West Indian distilled LIME OIL has been advanced to 50s. per lb., owing to differences in insurance rates. The figure is a maximum one and may vary.

CORRESPONDENCE

Correspondents may adopt an assumed name, but must in all cases furnish their real and address to the Editor

Withdrawal and Apology

SIR,—We enclose copy of a letter which we have received from the solicitors acting on our behalf in a case which was brought against us by the City Analyst of Portsmouth. It was stated originally that there was a deficiency in acetic acid in our Cherry Bark cough cure, which was proved to be incorrect, the Portsmouth analyst basing his figures on glacial acetic acid instead of on acidum aceticum B.P.

Yours faithfully,

Leicester. WANDS, LTD.

This case came before the Petty Sessional Court, Portsmouth, on March 20, when the Deputy Town Clerk, Mr. Victor Blanchard, after having had a conference with our Mr. King, stated that, in view of the certificate of analysis forwarded by the Government Analyst, an obvious mistake had been made. He thought, under the circumstances, the summons should be withdrawn, and desired to add that no reflection would rest upon the defendant firm, or upon their product. He also informed our Mr. King afterwards that they were prepared to pay reasonable costs to which you had been put. Mr. Page, the analyst, desires us to say that he is extremely sorry that the mistake arose and apologises to you in respect of the matter.

G. H. KING AND FRANCKEISS,

Portsmouth. Solicitors.

Dispensing Fees

SIR,—It has always been my contention that the dispensing of N.H.I. prescriptions has been subsidised by chemists. I have therefore been most interested to read letters in the *C. & D.* columns demanding double the present fees. If the costing of prescriptions was gone into actuarially, it would be found that treble the present fee would be a just return, and that, with the increased quantities and requirements envisaged in the new proposals, a double fee would leave us where we are. Another grievance is the rota demanded by Insurance Committees, when pharmacies are normally closed. No recompense is tendered for this unremunerative work, carried out often at considerable expense to the contractor. I suggest a fee of at least 10s. 6d. The doctors stood out until Mr. Lloyd George gave them their desires. It is apparently open to doctors, miners and pit-boys to do this, but do you, sir, think it would be quite respectable for pharmacists to strike for justice? Personally, ready to strike for the treble fee and Casca, "I will set this foot of mine as who goes farthest."

Yours faithfully,

S. C. BLORE, J.P., M.

Birmingham, 11.

"Earmarked as Substitutes"

SIR,—The appropriateness of your article on the call-up of pharmaci reinforced by the cynical and bureau phrasing of the notice from the C Pharmaceutical War Committee appeared on March 18. According t "Concise Oxford Dictionary," "earm is a mark on ear of sheep as sign of o ship—mark of ownership—mark (s etc.)." How pharmacists must swell pride to learn from their secretary that are "earmarked for use as substitu If we are sheep to be driven or slaugh at will under the present dispens what sort of life may we expect un Pharmacy Commission?

For myself I sign myself R.

TRADE MARKS

(*From "The Trade Marks Journal," Mar*

"ROMAC"; for agricultural chemicals (e ing weed killers, insecticides and fungi etc. (1). By Romac Industries, Ltd. Hyde, Hendon, N.W.9. 619,479 (Associ

"CHARME DE CHINE"; for perfumery and medicated toilet preparations (3). Fragrance, Ltd., 316 Vauxhall Bridge London, S.W.1. B622,952.

"NOMONIC"; for stain-removing prepar (3). By Lewis (Import & Export), Lt Great Portland Street, London, 625,774 (Associated).

"DEBUCLARE"; for perfumery, non-medi toilet preparations, dentifrices and perf soap (3). By D. B. Clarke, 73 Station Edgware, Middlesex. 626,024.

"SA-DANA"; for non-medicated toilet pre tions, etc. (3). By Meuko Manufact Co., Ltd., 65A St. George's Road, chester. 626,733.

"CONATA"; for non-medicated toilet pr tions, etc. (3). By Koray, Ltd., 56 Ga Building, Holborn, London, E.C.1. 62

"PARKER ROBINSON" facsimile signa "VAROFLEX"; for pharmaceutical subst for human and veterinary use, sar substances, plasters, bandaging ma and disinfectants (5). By Varoplast, Ruebury, Littleworth Road, Esher, S 624,183; 624,182 (Associated).

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Normo-Gastrine

BRAND TABLETS

(Hydrated Oxides of Silicona Alumina.)

Neutralises in less than 20 minutes

BUT

Unlike Bismuth, Magnesia and Bicarbonate of Soda, etc.

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Lower the Hydrochloric Acid content *below normal*,

Evolve Carbonic Acid and so cause the familiar secondary symptoms of distention and fullness.

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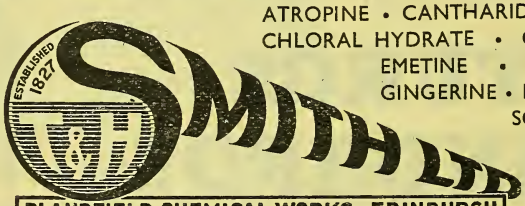

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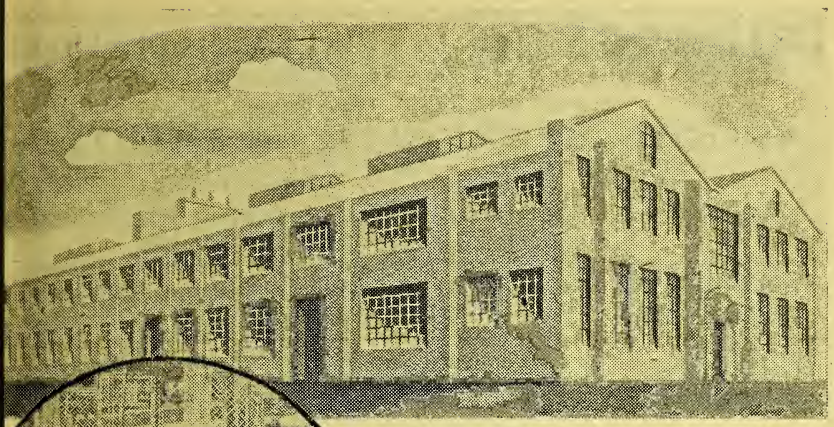

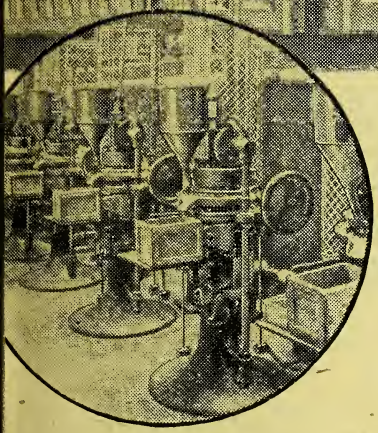

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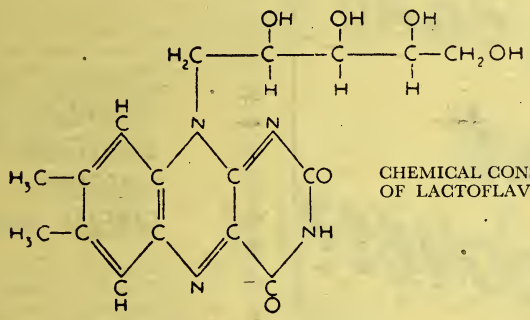

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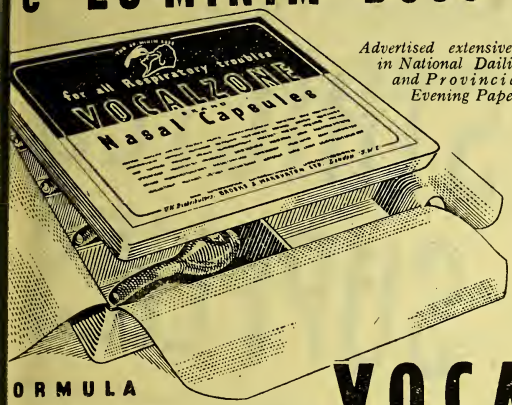

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CHEMIST required with a view to devel manufacture of pharmaceutical products ticularly those embodying fats and waxes; gressive and permanent post with abundant s liberal commencing salary according to experi applications will be treated in strictest confi 562/171, C. & D. London Office.

COMPOUNDER required for making up Flavouring and Perfumery materials. P nency. Good salary. Lautier Fils, Ltd., Road, Chiswick, London, W.4.

DISPENSER required, to take charge of Tab Section. State age, salary and military s status. Box W. 50576, Haddon's, Salisbury S E.C.4.

ELI LILLY & CO., LTD., Basingstoke, r the services of qualified Pharmacists as R sentatives in various parts of the British Isles. applying in first place send fullest details perience.

EXPERIENCED Forewoman wanted for P Goods Department of Manufacturing Che Apply, C. R. Harker, Stagg & Morgan, Ltd., En Street, Mile End, London, E.1.

EXPERIENCED Tablet Maker required manufacturing chemists near London; salary and prospects. 562/164, C. & D. London

FIRM manufacturing Pharmaceutical Product Food Products require the services of an e enced man to take charge of Order Depart Apply, stating age, experience and salary req 562/167, C. & D. London Office.

LABORATORY Assistant, with previous e ence, for wet laboratory; over military must be fit; live out. Particulars, experience, s required, to The London Hospital Annexe, Dur Road, Bishop's Stortford.

MANUFACTURING Chemists in the North have vacancy for energetic and pra Pharmacist; excellent prospects; experien tableting and sterile solutions would be an advan Write, stating age, experience and salary req 562/168, C. & D. London Office.

MESSRS. BELL & SONS, LTD., Veter Chemists, Silverdale Works, Liverpool, w pleased to consider applications from experi Salesmen of high integrity for vacancies in the S South-West and North Midlands for the sa George Bell's Pet Remedies. Established conne in all districts. Apply Sales Director as above.

PILL-MAKER required; exempt military se Write, giving full particulars as to age, exper and wages required. Secretary, H. & T. Kir Co., Ltd., Willesden Green, N.W.2.

PROGRESSIVE Organisation requires Qua Chemist for Pharmacy Department. Eithe exempt national service. Good salary and pros 444/353, C. & D. London Office.

REPRESENTATIVES wanted in some rema districts for new lines of Household and maceutical preparations; in strong demand and excellent post-war prospects. P.A.C. Chemicals College Road, Epsom.

REPRESENTATIVES required for London Home Counties and other districts for B Fine Chemicals, Gold Seal Label Packets, etc. S and commission. Permanency. Send details of nexion, territory, copies of references, to Br Ltd., 4 Cavendish Place, London, W.1.

HE PHARMACEUTICAL DIVISION OF IMPERIAL CHEMICAL INDUSTRIES, D., invites applications for the following cancies—

A Senior Sales Assistant for the marketing of products of primary interest to veterinary surgeons.

A Senior Sales Assistant for the development of overseas markets. May be required to reside abroad later. Knowledge of foreign languages desirable.

Salaried Representatives to maintain contact with hospitals and Public Health Authorities in the U.K.

Salaried Representatives for certain overseas markets after training at home.

A Manager for the Company's Pharmaceutical Department in India to consolidate and develop extensive business. Candidates must have held Senior Administrative posts and possess intimate knowledge of the marketing of drugs for hospitals and the professions. Previous experience in India and knowledge of the manufacture and processing of synthetic organic pharmaceuticals would be advantageous. Position carries a high salary.

Applications with full particulars should be lressed to Staff Department, Hexagon House, ackley, Manchester, 9.

20 PER YEAR is the commencing salary offered for a Salesman M.P.S. Initiative drive expected. Future salary up to you. No Reply to Chemist, 11 Princes Street, Hanover re, London, W.1.

AGENCIES

for 36 words or less, 2d. for every additional word.

RELIABLE firm of Manufacturers' Agents with a Sales Force covering the whole of England would consider smaller territory) are open for lly sound Agency, with a preference for Toilet s, Fancy Goods, or Cosmetics. Full terms, with les, to Sales Manager, 13 East Park Parade, hampton.

DITIONAL Agencies required by experienced Representative with sound connexion, calling holesale and Retail Traders throughout Northern nd; commission basis; only reputable firms dered. 562/166, C. & D. London Office.

ENT calling and doing business with all wholesale chemists in Scotland, also handling the l trade, seeks one good agency. This is first-representation. Only reputable lines will be dered. 562/182, C. & D. London Office.

EMIST and Hairdressers Sundriesman with established connexion among wholesale chemand hairdressers, drapers and general warehouse-etc., in London, Birmingham, Manchester Glasgow, is prepared to accept an additional line, rably one with post-war possibilities. Agency uying terms. Reputable firms only considered. 179, C. & D. London Office.

ANTED Area-distributing Agents by Manufacturing Chemists for the following territories: ondon and Home Counties; (2) Midlands and h Wales; (3) North of England, excluding land; (4) South of England, including South es; (5) Northern Ireland. To handle three nally advertised proprietary lines. Applicants have extensive connexions with Chemists olesale and Retail), Stores, etc., and have staff Travellers making regular calls. Write, fully ng present Agencies, territory covered, etc. 159, C. & D. London Office.

ELL-ESTABLISHED London Wholesaler and Manufacturer's Agent with excellent connexions xious to take up additional lines suitable for nists and Grocers, Wholesalers, Multiples and ilers. Manufacturers able to offer such lines, se write 562/183, C. & D. London Office.

SITUATIONS WANTED

2/6 for 18 words or less, 1d. for every additional word.

RETAIL (HOME)

BIRMINGHAM or near. Engagement desired; experienced in all branches Retail, Wholesale, Stocktaking, Dispensing, Travelling; unqualified; exempt. Disengaged when suited. Usual stipend. "Drugs," 64 Church Road, Erdington, nr. Birmingham.

RELIABLE, Qualified; elderly, but active. Free shortly. As Manager, Superintendent, or Partnership. Coast or near preferred. 562/173, C. & D. London Office.

WHOLESALE

ACTIVE Representative, own car, and high-class connexion Home Counties, including North London, wishes to represent really reputable Firm either on whole or part-time basis. Undeniable references and sales record will be furnished. 563/185, C. & D. London Office.

EAST Midlands and Eastern Counties. Representation for all or part of this area required by advertiser with very strong connexion all best Chemists, Wholesalers, Co-ops, etc. Complete details and long proof of ability available. 562/184, C. & D. London Office.

M.P.S. refugee, seeks position, not London, retail or wholesale. Two years English wholesale experience. Living accommodation essential, wife could do part-time work. 562/181, C. & D. London Office.

REPRESENTATIVE (34) smart and energetic, at present with manufacturing house in the Home Counties, S. Wales, and Midlands areas, desires change. Exempt from military service, car driver, and willing to reside in any area. 562/180, C. & D. London Office.

BUSINESS OPPORTUNITIES

7/6 for 40 words or less, 2d. for every additional word.

FIRM manufacturing several good selling lines suitable for the Manufacturing Chemist and General Chemists and Grocery trade, seeks connexion with Wholesale Distributing Firm who would be willing to take over whole production or part distribution. Only principals should write to 562/160, C. & D. London Office.

MANUFACTURING Chemist in London has labour and facilities for Packing, Filling and Wrapping. Some assistance available in the way of bottles, paper containers and materials. 557/908, C. & D. London Office.

PACKING, fitting, dispatching liquids, powders, pastes; open for contracts; inquiries invited. 562/163, C. & D. London Office.

WANTED. Manufacturing Chemist who can undertake the manufacturing and packing of ointment and fluid creams in 2 and 4-oz. containers. Write with details of capacity. 562/172, C. & D. London Office.

BUSINESSES WANTED

7/6 for 40 words or less, 2d. for every additional word.

GOOD Salesman wishes to contact Chemist in business, with view to expansion; easy access to Blackpool preferred but not essential. 562/175, C. & D. London Office.

PRIVATE Pharmacist wishes to buy business in the West Country. Must have substantial turnover, or scope for development. Rural area preferred. Living accommodation essential. Strictest confidence will be observed. 562/174, C. & D. London Office.

MISCELLANEOUS SALES

12/6 for 60 words or less, 1/- each additional 10 words or less.

FOR Sale, 56 lbs. Phenacetine (pulv.), B.P. May & Baker; 1 drum Paraffin Molle Flav. B.P, Grade 28; 2 drums Paraffin Molle Flav. (not B.P.). 3 drums Mineral Oil Coloured Green (40 galls. each); 30 winchesters Syr. Calcii Lactophos B.P.C. B.D.H. Grattan's Pharmaceutical Products, 36 High Street, Lurgan.

MUSK Ketone, 1 lb.; Peach Kernel Oil, S.A.P.; 10 lb.; Cardomom Oil, 7 lb.; Dill Oil, 2 lb., Caraway Oil, 2½ lb.; Ol. Pulegi, 5 lb.; Fennel Oil 2½ lb.; all B.P.; Essential Oil Camphor, Gen.; Iso-Vanillin, 56 lb.; Gurjum Balsam, 56 lb.; Benzoic Acid, B.P. 21 lb.; Acid Salic, Cryst, 28 lb. Sodium Alginate, 5 cwt.; Methyl Cellulose, 2 cwt.; Phenyl Acetic Acid, 7 lb.; Aubepyne, 14 lb.; Camphor Flowers, 6 lb.; Boric Acid Powder, 1 cwt. Write Henshaw, M.P.S., 97 Clearmount Road, Weymouth. Tel. 448.

WANTED

7/6 for 36 words or less, 2d. for every additional word.

ASPIRIN Powder, Crystals, Grans., and 5-grain tablets, required in large or small quantities. Highest market prices paid. 442/304, C. & D. London Office.

CALCIUM Gluconate required for immediate and forward delivery. Best prices paid. Immediate Cash. 558/942, C. & D. London Office.

DEMIJOHNS. 5 gallon glass Demijohns required. The London Hospital Annexe, Dunmow Road, Bishop's Stortford.

LABELLING Machine for Medical Bottles required. Write Box ZE.401, Deacons, 5 St. Mary Axe, London, E.C.3.

MONACETIN. Any quantity from 7 lbs. to 10 cwts. required immediately. 562/170, C. & D. London Office.

REQUIRED urgently 6 to 12 bottles of Ovoferrin. Send full particulars to Lesters, Chemists, Nuneaton.

ROSE, Otto, Jasmin, and other flower absolutes wanted. No quantity too small. Highest prices in the trade offered. Only finest quality unadulterated entertained. Send particulars, including origin, to Picot, Ltd., 14 High Park Road, Kew Gardens, Richmond, Surrey.

SIFTER-MIXER, Gardner type or similar. Capacity 100/300 lb. Required urgently. With or without motor. Also, Edge-runner Mill up to 50-lb. capacity. Full particulars to 562/176, C. & D. London Office.

TABLET-MAKING Machinery wanted. Rotary and Single Punch. Particulars and prices to H. O. Lloyd, 10 Suffolk Parade, Cheltenham, Glos.

TERPINOLENE wanted, prompt or later delivery. Chas. H. Windschuegl, Ltd., 1 Leadenhall Street, London, E.C.3.

WANTED, Microscopes, all models, particularly good outfits up to £300 or £400. High prices, immediate cash. Wallace Heaton, Ltd., 127 New Bond Street, W.1.

WANTED, ½-oz. to 2-oz. Bottles, screw cap or cork. Must be made prior to July, 1942. 555/730, C. & D. London Office.

WANTED for Spot Cash. National, Remington, and Gledhill Cash Registers, all sizes, age immaterial; any quantity entertained. Amalgamated Business Machines, Ltd., 64 Mortimer Street, W.1. 'Phone: Museum 0941. Repairs, Sales, Exchanges.

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1 OZ. Bottles, with Screw Caps or Corks, any quantity, for well-known Packing House. 562/165, C. & D. London Office.

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APPOINTMENTS

CITY OF MANCHESTER

WITHINGTON HOSPITAL (1,150 Beds) AN INSTITUTION (1,200 Beds)
APPOINTMENT OF CHIEF PHARMACIS (TEMPORARY)

Applications are invited for the post Temporary Chief Pharmacist (non-resident) Withington Hospital and Institution, Nell Lan West Didsbury, Manchester, 20. The post is the permanent assignment of staff but it w be of temporary nature during the war, subje to review thereafter.

Candidates must possess the qualification "Pharmaceutical Chemist" as recognised by t Pharmaceutical Society of Great Britain a have had wide experience in the work of Hospital Dispensary.

Basic annual salary scale commences at £50 rising to a maximum of £535 plus a cost of livi wages addition amounting to £40 10s. in respe of a Male officer and £33 16s. in respect of Female officer on the commencing salary. Th addition amounts to £33 16s. for either a ma or female officer on the maximum salary. T post is subject to the Manchester Corporatio conditions of service. Full information and form of application may be had from the Medical Offic of Health Hospitals Administration Sectio P.O. Box 399, Town Hall, Manchester, 2, t whom all applications must be received n later than April 12, 1944.

Canvassing in any form is prohibited.

R. H. ADCOCK, *Town Cler*

Town Hall, Manchester, 2.
March 21st, 1944.

KING EDWARD MEMORIAL HOSPITAL

EALING, LONDON, W.13

Assistant Pharmacist required. Salary £250 p. or according to experience. Lunch and tea pr vided. Superannuation scheme. Applicatio should be sent to the House Governor. (N.1 Female applicants between the ages of 21 a 40 must apply to the Central Pharmaceutic War Committee, 17 Bloomsbury Square, W.C.1 for permission to submit applications for th appointment.)

PHARMACIST (whole-time) (man or woma required by London County Council at Darent Park (for mental defectives), Dartford, Ken Must possess Pharmaceutical Society's qualifica tion. Salary £300, rising to £350 a year, ph cost of living addition. Pensionable. Marri women eligible for temporary non-pensionab employment. For application form, returnab by April 17, 1944, send stamped addresse foolscap envelope to the Medical Officer Health (B), Mental Health Services, West Pa Hospital, Epsom, Surrey.

DISPENSER (female) required for the North ampton County Mental Hospital at Berr wood, nr. Northampton (1,100 beds). Applic tions stating age, experience, qualification an salary required to be sent to the Medical Supe intendent.

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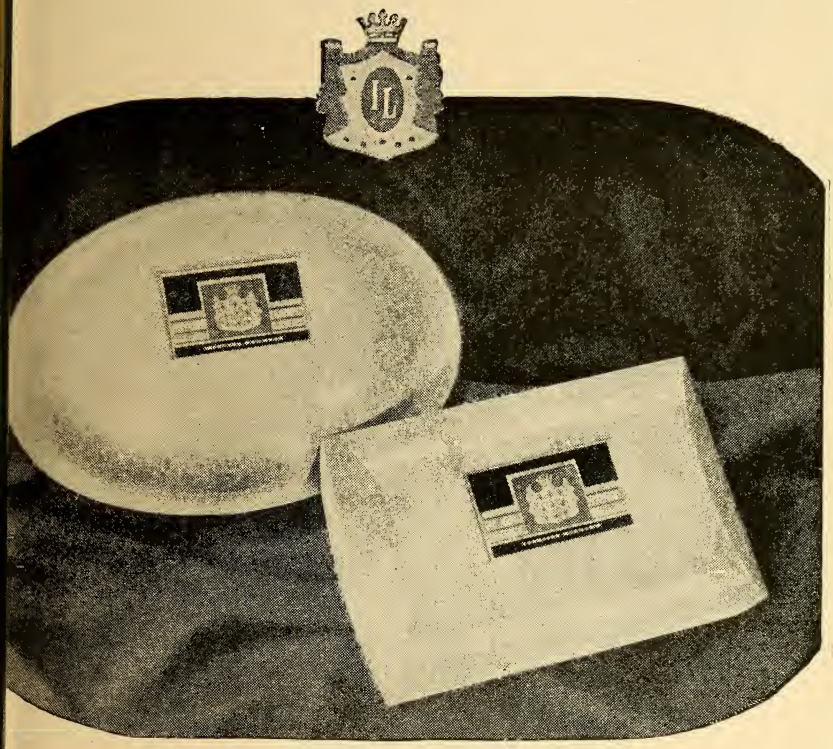

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